JAKUB SOWIŃSKI

» architect   » developer   » leader   » teacher

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About me

I am a highly skilled and driven software enthusiast who excels in working with both computer and another human being. I have over 15 years of experience in software development with particular focus on full-stack web development, over 5 years of experience in software architecture, and over 5 years of experience in leadership and teaching with heavy focus on programming and architecture.

I am looking for an interesting, meaningful project, which would allow me to directly impact world for the better, be it through the product itself, or through company culture and values, close cooperation with my coworkers, sharing my knowledge and learning from others, so that we all can grow.

Current work

Solution Architect

2024-03 — present | Connectis

`architect` `soa` `eda` `microfrontends` `monorepo` `design system` `ci/cd` `rfc` `adr` `tech radar` `security` `performance` `a11y` `i18n` `l10n` `architectural patterns` `ddd` `scrum`
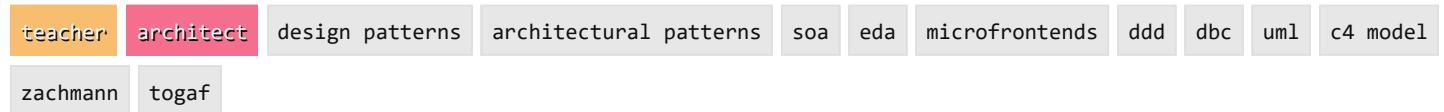
As a solution architect in Connectis, I am responsible for providing architectural support and expertise to external, large, corporate clients. It is my job to understand client's requirements, design and document software structure, development processes, standards, good practices, and all technical decisions, and then help product development teams implement solution according to the plan by guiding, teaching, negotiating, and drawing from my experience to combat day to day software development complexity, all while cooperating with central enterprise architecture body in order to ensure compliance with wider company standards when it comes to software development.

Responsibilities

- Designing and documenting full solution architecture for multiple projects
- Architectural governance for multiple scrum teams
- Planning and cost-optimizing cloud-based infrastructure
- Cooperation with central enterprise architecture body
- Negotiating requirements and solutions with business
- Explaining architecture to developers and governing implementation

Lecturer in Software Architecture

2021-10 — present | Polish-Japanese Academy of Information Technology

`teacher` `architect` `design patterns` `architectural patterns` `soa` `eda` `microfrontends` `ddd` `dbc` `uml` `c4 model` `zachmann` `togaf`

As a lecturer in Software Architecture at PJAIT university, I am responsible for creating entire course for my students, facilitating classes on a weekly basis (lectures and laboratories), and assessing progress of my students through homework and exams.

Responsibilities

- Creating software architecture course for Master's students
- Facilitating classes (lectures and laboratories)
- Evaluating students

Recent work experience

Solution Architect

2024-08 — 2025-12 | Orange (via Connectis)

`architect` `soa` `eda` `ai` `mcp` `design system` `monorepo` `javascript` `react` `tailwind` `nextjs` `ci/cd` `rfc` `adr` `tech radar` `security` `performance` `a11y` `architectural patterns` `ddd` `gitlab` `scrum`

As a solution architect in Orange, I was responsible for providing architectural support and expertise to a number of preexisting software development teams, initially in order to facilitate building and shipping a new versions of some of company's most crucial products, and later in order to help improve existing software development processes. I was involved in all sides of these processes, from requirements elictation, to software architecture design and compliance assessment, to software implementation, to testing, monitoring, and bugfixing.

Responsibilities

- Full-stack development
- Monitoring and maintenance of the product
- Quality assurance
- Cooperation with central enterprise architecture body
- Negotiating requirements and solutions with business
- Explaining architecture to developers and governing implementation

Solution Architect

2024-03 — 2024-07 | ███████████ (Fortune 500 top 50 company, via Connectis)

`architect` `microfrontends` `design system` `javascript` `react` `tailwind` `nextjs` `azure` `google cloud` `ci/cd` `rfc` `adr` `tech radar` `security` `performance` `a11y` `i18n` `l10n` `architectural patterns` `ddd` `c4 model` `archimate` `mermaid` `github` `scrum`

As a solution architect in ████████████ (Fortune 500 top 50 company), I was responsible for designing and establishing appropriate software architecture for a couple of new teams working on an internal, greenfield project. The goal of the project was to improve internal product teams capabilities in regards to marketing and customer surveys. It was my job to define, communicate, and govern our technology stack and software development practices, as well as to cooperate with central enterprise architecture body business in order to coordinate deployment of first version of the solution.

Responsibilities

- Designing and documenting solution architecture for multiple projects

- Architectural governance for multiple scrum teams

- Planning and cost-optimizing cloud-based infrastructure

- Cooperation with central enterprise architecture body

- Negotiating requirements and solutions with business

- Explaining architecture to developers and governing implementation

Solution Architect

2022-04 — 2024-01 | StepStone Services (Axel Springer SE)

`architect` `soa` `eda` `microfrontends` `design system` `monorepo` `javascript` `react` `nextjs` `aws` `kafka` `wmf` `bff` `ci/cd` `rfc` `adr` `tech radar` `security` `performance` `a11y` `i18n` `l10n` `architectural patterns` `ddd` `c4 model` `archimate` `jira` `scrum` `mentoring`

As a solution architect in Stepstone, I was solely responsible for designing, documenting, and governing implementation of global approach for Stepstone's core product to frontend development. The task was to create a solution that could support tens of different brands across multiple continents with the same codebase, highly integrated with configuration store, data platform, and other projects that embodied company's efforts towards globalization. The solution had to take into account all concerns in regards to security, performance, accessibility, internationalization, releasability, scalability, and developers experience, among other things. The task was completed with the help of microfrontend approach with centralized templating solution based on NextJS and centralized design systems build with React and a little bit of Weback Module Federation.

Additionally, as a solution architect, I was involved in recruitment, job interviews, peer-to-peer evaluations, mentoring for developers, etc. I reported to director of architecture, who reported directly to CTO, and I cooperated with C-level leadership on a daily basis.

Responsibilities

- Cooperation with all scrum teams in the project in regards to frontend development

- Cooperation with internal client on C level

- Cooperation with architecture department

- Designing and documenting architecture

- Negotiating requirements and solutions with business

- Explaining architecture to developers and governing implementation

- Facilitating job interviews and internal evaluations

- Facilitating internal trainings

JavaScript Chapter Lead

2022-07 — 2024-01 | StepStone Services (Axel Springer SE)

`leader` `developer` `javascript` `typescript` `nodejs` `react` `coaching` `mentoring`

JavaScript chapter lead was an additional role that I assumed as an informal leader of Stepstone's community of JavaScript developers, when the company was formalizing such initiatives in the form of "chapters". The job was to build a community of developers working with particular programming language, in this case JavaScript, and help them become more efficient. It included facilitating meetings, gathering feedback, defining competency matrix, defining coding standards and good practices, defining and evaluating trainings needs, organizing trainings, creating employee development plans, and sharing knowledge, among other things.

Responsibilities

- Leading community of JavaScript developers
- Defining and documenting competency matrix
- Defining and documenting coding standards and good practices
- Defining and evaluating trainings needs
- Organizing trainings for developers
- Creating and evaluating employee development plans
- Writing tutorials for internal documentation
- Writing articles for company's tech blog

Computer Programming Teacher

2021-09 — 2023-06 | Academic High School of Polish-Japanese Academy of Information Technology

`teacher` `developer` `java` `python` `javascript` `oop` `git`

As a computer programming teacher in high school, I was responsible for creating entire course for my students, facilitating lessons on a weekly basis, and assessing progress of my students through homework and exams, as well as helping them with other challenges of a daily life, such as tying their shoes.

Responsibilities

- Creating computer programming course for high school students
- Facilitating lessons
- Evaluating students

Software Architect

2019-04 — 2022-03 | StepStone Services (Axel Springer SE)

`architect` `soa` `eda` `microfrontends` `javascript` `nextjs` `aws` `kafka` `wmf` `bff` `ci/cd` `rfc` `adr` `design patterns` `architectural patterns` `grafana` `elk` `datadog` `dynatrace` `ddd` `c4 model` `jira` `scrum` `mentoring`

As a software/solution architect in Stepstone, I mainly cooperated with centralized architecture department, while supporting a number of multi-national scrum teams, which worked on various parts of Stepstone's core products. The job was multi-dimensional: I was

working with architecture team on defining and documenting global architectural standards and guidelines; I was working with product development teams on designing architecture for their product, governing its implementation, making technical decisions, and mentoring developers; I was working with business on defining their goals and negotiating solutions, while offering technical subject matter expertise.

Additionally, as a software/solution architect, I was involved in recruitment, job interviews, peer-to-peer evaluations, mentoring for developers, among other things. I also remained an informal leader of Stepstone's community of JavaScript developers, in which I was responsible for defining and guarding software development standards and guidelines.

Responsibilities

- Cooperation with development teams

- Cooperation with internal clients

- Cooperation with architecture department

- Designing and documenting architecture

- Negotiating requirements and solutions with business

- Explaining architecture to developers and governing implementation

- Leading community of JavaScript developers

- Mentoring developers

- Facilitating job interviews and internal evaluations

- Facilitating internal trainings

- Giving talks on international software development conferences

- Writing articles for company's tech blog

Senior Software Engineer

2017-09 — 2019-03 | StepStone Services (Axel Springer SE)

`developer` `soa` `eda` `html` `css-in-js` `javascript` `typescript` `react` `nodejs` `.net` `mssql` `nosql` `wmf` `bff` `ssr` `git` `ci/cd` `docker` `kubernetes` `nginx` `design patterns` `tdd` `ddd` `dbc` `swagger` `jira` `scrum` `coaching` `mentoring`

As a senior software engineer in Stepstone, I cooperated with a number of multi-national scrum teams, which worked on various parts of Stepstone's core products. At the time, the project's codebase was mostly refactored to service-oriented and event-driven architecture with React, TypeScript, NodeJS, .NET, and RabbitMQ. It's also around that time that Stepstone started transition of its frontend codebase to microfrontends, and I took more interest in frontend development.

Additionally, as a senior software engineer, I was involved in many tasks not directly related to software development, such as recruitment and job interviews, peer-to-peer coachings and evaluations, and close cooperation with architecture department on establishing coding standards and guidelines. I was also heavily involved in Stepstone's community of JavaScript developers, leading meetings, facilitating trainings, and giving talks, including those on external, international software development conferences.

Responsibilities

- Cooperation with development teams
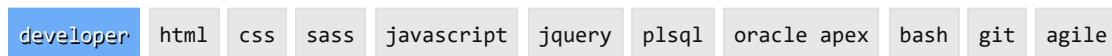
- Cooperation with internal clients

- Cooperation with architecture department

- Full-stack development

- Monitoring and maintenance of the product

- Quality assurance

- Code reviews

- Leading community of JavaScript developers

- Coaching developers

- Facilitating job interviews and internal evaluations

- Facilitating internal trainings

- Giving talks on international software development conferences

Other work experience

Software Engineer 2015-07 — 2017-08 | StepStone Services (Axel Springer SE)

`developer` `monolith` `html` `sass` `javascript` `typescript` `pwa` `nodejs` `php` `adobe coldfusion` `mssql` `api` `rabbitmq` `git` `ci/cd` `docker` `kubernetes` `apache` `tdd` `ddd` `dbc` `swagger` `jira` `scrum`

Software Engineer 2014-09 — 2015-06 | Pretius

`developer` `html` `css` `sass` `javascript` `jquery` `plsql` `oracle apex` `bash` `git` `agile`

Founder, Lead Web Developer 2012-09 — 2013-06 | RandomCREATION

`developer` `leader` `html` `css` `javascript` `php` `.net` `mysql`

Freelance Web Developer 2009-06 — 2014-08

`developer` `html` `css` `javascript` `php` `wordpress` `mysql` `apache`

Education

2009 — 2013 | Technical University of Łódź, Poland

Information Technology

- Information Technology at International Faculty of Engineering

- Full time BSc studies in English

2011 — 2012 | Fontys Hogeschool Eindhoven, Netherlands

Information Technology

- Software Engineering at Information and Communication Technologies Faculty

- Full time BSc studies in English

Notable trainings

2016

- Adobe ColdFusion 9 ACE certification

- "Acceptance testing of web applications" by Bottega IT Minds

- "Design and architectural patterns" by Bottega IT Minds

2018

- "Aware IT expert" by Bottega IT Minds

- "Me as a mentor" by Bottega IT Minds

- "Scrum experience" by Agile Rebels

2019

- "Event storming" by Bottega IT Minds

- "Design and implementation of REST API and microservices using modern PHP stack" by Bottega IT Minds
- "TypeScript" by Bottega IT Minds
- "Test Driven Development and Code Review" by Bottega IT Minds
- "Unit Testing and Test Driven Development" by Bottega IT Minds

2017

- "Commitment-based Management" by Vision Consulting
- "Functional Testing" by Bottega IT Minds
- "How to prepare and give public speeches - practical techniques" by Bottega IT Minds
- "Scrum basics" by Agile Rebels

- "TypeScript and React" by Bottega IT Minds

2020

- "Building business solutions" by THM
- "Reactive programming using React, Redux, and ES6" by Bottega IT Minds

2021

- "Building applications with NestJS" by Sages
- "Personal excellence" by THM

2022

- "Empower and Lead" by Bespoke Business Training Ltd

Notable contributions

Talks

- Micro frontends: extending service-oriented architecture to front-end development
- Micro frontends: extending service-oriented architecture to front-end development
- Modern web development: React PWA with Push Notifications (case study)
- Practical tips for JavaScript optimisation

Articles

- Microfrontends — part 3: tools and processes for development and maintenance
- Microfrontends — part 2: integration and communication
- Microfrontends — part 1: extending service-oriented architecture to frontend development

Projects

- Netlify Plugin Chromium
- Webpack Bundle Content Validator

Languages

- Polish: native language
- English: full professional proficiency
- French: basic proficiency

Miscellaneous

- Driving license cat. B
- Volunteer JavaScript teacher at girlsjs.pl
- I like music and space