Amir Ziaei

Kaunas, Lithuania

amir@amirziaei.me

linkedin.com/in/amirziaei

Summary

Experience:
• Over a decade of experience in the software development industry, specializing in web technologies.
• Currently serving as a Senior Software Engineer at Zenitech, engaged in diverse projects of varying scales and technology stacks across the company.

Skills:
• Proficient in web technologies, demonstrating expertise in architecting and scaling software solutions.
• Experienced in leading technical projects and executing high-quality software solutions.

Career highlights:
• Successfully led a scrum team of 9 individuals, managing multiple projects with varying complexities concurrently.
• Demonstrated proactive initiative and innovation, consistently delivering creative solutions lauded by clients.
• Engaged with cutting-edge technologies under direct CTO guidance, contributing to the company's technical advancement and strategic direction.

Experience

Senior Software Engineer

Zenitech

May 2024 - Present (1 month)
Project 3
Chat with LLMs
• Leading an internal project to design LLM-based solutions on AWS Infrastructure.
• Stack: AWS, Terraform, Terragrunt, Hono, Node.js, React.js, Amazon Bedrock, HTTP Streaming, Docker, Monorepo, BitBucket Pipelines

Project 2
Sony internal: Microservice for Partner Teams and their relations
• Led a scrum team of 9 to build the inbox and outbox functionalities for a Microservice, collaborating with an internal Sony team.
• Worked with architects across the organization to design, strategize, and implement complex changes.
• Contributed significantly to the system architecture for event consumption and publishing, including:
-- Database design
-- Cloud architecture on AWS
-- Observability, monitoring, and recovery strategies
-- Out-of-order event handling
• Stack: AWS, Kafka, GraphQL, SAM, Terraform, Docker, WebPack, Jenkins, LocalStack, Gremlin, Datadog, Node.js, TypeScript, Graph Database

Project 1

Sony internal: a web JS library for bringing contextual help to web pages
• Developed a reusable JS library to render a widget providing contextual help content on any web page.
• Solved complex authentication issues between multiple providers, ensuring secure authentication flows.
• Stack: Web Components, Storybook, Vite, Playwright, Akamai, Jenkins, Adobe Analytics, Docker

Initiatives at Sony:
• Delivered presentations on challenges and frictions faced, proposing actionable solutions.
• Recognized by managers for proposed solutions, which were implemented and actively used, including process changes and tooling migrations.
• Developed BDD Wizard, a tool for formatting BDD scenarios with Jira-specific output: https://www.bddwizard.com/

Interviews and Hiring:
• Conduct technical JavaScript interviews.
• Collaborate in designing interview challenges and questions.

Mentor

Zenitech

Jan 2023 - Present (1 year 5 months)
Chapter contributions:
• Presented on web performance and its importance: The slides: https://slides.com/amirziaei/speed-up-or-lose-out
• Regularly share best practices and tech updates with the engineers across the company.

Actively mentoring engineers in areas such as:
• Code quality and reviews
• Weighing trade-offs between various solutions
• Debugging techniques
• Career development and growth

Software Engineer

Zenitech

Apr 2021 - Apr 2024 (3 years 1 month)
Project 3
Sony internal: connecting multiple Partner help services through a common API and user interface
• Developed and implemented a Composite API using KrakenD and AWS Lambda.
• Built a Micro Frontend using React.js with multi-language support.
• Mentored junior developers on best practices and code quality.
• Stack: TypeScript, Sass, React, React Query, WebPack, Jenkins, Node.js, Docker, Serverless Framework, Express.js, AWS, Akamai, Okta

Side Initiative:
• Conducted weekly React.js training sessions and workshops for our developers, covering medium to advanced topics.

Project 2

ZeniBooks: internal book library system for Zenitech employees to rent books
• Managed tech debts, improved processes, and enhanced code quality.
• Improved developer experience by simplifying the monorepo setup and introducing necessary technical solutions to manage monorepo complexity.
• Stacks: AWS, WebPack, TypeScript, Serverless Framework, NX, Vite, React, MUI, Node.js, Bitbucket Pipelines

Project 1
ResilienceDirect™ (https://www.gov.uk/guidance/resilient-communications#resiliencedirect)
• Developed highly interactive React.js components to enable complex multi-layer map rendering with OpenLayers.
• Implemented real-time map updates using the WebSockets protocol.
• Modernized and maintained a frontend codebase exceeding 50K lines of JavaScript.
• Introduced CI/CD practices to the team and developed continuous integration pipelines
• Stack: JavaScript, MUI (formerly Material UI), React, Redux, WebPack, OpenLayers, styled-components, Docker, GitHub Actions

Webmaster
Freelance
2012 - 2020 (8 years)
Online Shop:
• Founded, developed, and operated an online shop, including coding, payment processing, order deliveries, and API integrations.
• Optimized SEO and discoverability.
• Managed self-hosted servers.

Freelancing:
• Developed features and optimized clients' websites.
• Managed hosting and improved website performance.
• Fixed bugs and issues.

Open Source and Community:
• Developed, maintained, and released various open-source components, plugins, and themes for popular platforms like WordPress and vBulletin.
• Actively participated in local tech forums, providing answers and support.

Education

Vilniaus universitetas / Vilnius University
Bachelor of Computing, Information Systems and Cyber Security
- Admitted with the maximum admission score
- Consistently ranked as the highest-performing student throughout my studies
- Graduated as the top student in my class

Skills

Amazon Web Services (AWS) • Systems Design • Software Development Life Cycle (SDLC) • Information Security • Data Structures • Node.js • React.js • TypeScript • Continuous Integration and Continuous Delivery (CI/CD) • Team Leadership