Daumantas Pyragas

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Experienced Software Engineer with 4+ years of expertise in building scalable, user-centric solutions across enterprise and startup environments. I specialize in bridging technical execution with business goals, whether optimizing systems for performance, mentoring peers to elevate team output, or delivering robust full-stack applications. My work prioritizes clarity, maintainability, and solving problems that matter—always with an eye on sustainable growth. Seeking to join a team where collaboration, innovation, and engineering excellence are valued.

PROFESSIONAL EXPERIENCE

BT Group, Senior Software Engineer

Telecommunications company, 105 000+ employees

August 2022 – PRESENT

- Led the development of a streamlined broadband resign journey using React and Next.js, increasing customer retention rate by 154% through an optimized email-based workflow.

- Engineered a high-performance availability checking system that reduced response times by 90% (from 20 to 2-5 seconds) through efficient caching mechanisms and API optimization.

- Designed and implemented microservices architecture using Express.js and AWS Lambda, creating a Backend-for-Frontend layer that enhanced data processing efficiency.

- Built and deployed RESTful APIs using Express.js or Java, Pulumi, and AWS services (API Gateway, Lambda, EC2, ECS, S3, DynamoDB), ensuring scalable and maintainable solutions.

- Implemented comprehensive testing strategies using Cypress and Cucumber for end-to-end validation, significantly improving application reliability and performance.

- Integrated enterprise-level authentication using NextAuth and Azure AD B2C, strengthening application security and user management.

- Monitored and optimized application performance using AWS CloudWatch and X-Ray, conducting root cause analysis to resolve production issues proactively.

- Mentored junior developers in React, TypeScript, and AWS best practices, improving code quality through pair programming and code review sessions.

SKILLS

Programming Languages

JavaScript, TypeScript, Python, C#, Java, R, SQL, NoSQL, GraphQL

Libraries and Frameworks

React, React Native, Next.js, Express.js, .NET, Spring Boot, Styled Components, Tailwind CSS, Chart.js, Redux, MobX, Cypress, Jest, React Testing Library

Infrastructure

AWS, Docker, Pulumi

Other

Prisma, Redis, Next Auth, Firebase, CMS (Strapi, Contentful, AEM), Cucumber, Storybook, Figma

Leadership & Collaboration

Mentorship, Agile Coaching, Code Reviews

LANGUAGES

English, German, Lithuanian

Sidetrade, Software Engineer

AI powered O2C platform, ~300 employees

October 2021 - August 2022

- Worked closely with UX/UI manager to develop Sidetrade Datalake - responsive web application using Next.js and Tailwind CSS.

- Implemented new features to existing React applications.

- Implemented new features to existing .NET APIs.

- Wrote API automation tests using Cypress.

- Worked with more senior developers to enhance current skills and learn new ones.

Individual Restaurants (IRC) Limited, Systems Administrator

Restaurant group, 460+ employees

February 2020 - August 2021

- Configured, maintained, and troubleshot EPOS system.
- Managed and monitored network devices.
- Updated company's software products and ensured that they are properly licensed

EDUCATION

BSc Computer and Data Science (First-Class Honours)

Birmingham City University

2018-2021

In the pursuit of my degree, I engaged in a rigorous course that specialized in Data Science, Artificial Intelligence (AI), and Machine Learning (ML), equipping me with a solid foundation in these pivotal technologies. This course delved into essential methodologies and tools for data analysis, predictive modeling, and algorithm development, emphasizing the practical application of Python, R, TensorFlow, and various data visualization tools. Through a series of comprehensive projects and case studies, I honed my skills in extracting valuable insights from complex datasets and developing intelligent systems capable of making data-driven decisions. This academic experience has not only enhanced my analytical capabilities but also prepared me to tackle real-world challenges by leveraging the power of AI and ML.

For my final year project, I developed a MERN (MongoDB, Express.js, React, and Node.js) application designed to help the way students in educational institutions connect and communicate. This real-time communication platform facilitated seamless interaction among students, allowing them to share information, news, and resources pertinent to their fields of study. The application featured an intuitive, user-friendly interface with in- built chat functionality, enabling instant messaging, group discussions, and the dissemination of academic content and updates. By leveraging the full stack development capabilities of the MERN stack, this project not only showcased my technical proficiency but also demonstrated my commitment to enhancing educational experiences through technology.