

# YAHYA HAJI

## SOFTWARE ENGINEER

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AWS Certified Software Engineer with a strong foundation in full-cycle application development, scalable systems, and cross-functional collaboration. Skilled in building performant, maintainable software using modern tech stacks like React, Node.js, and Python. Proven ability to solve complex problems, improve code quality, and deliver business value through well-engineered solutions.

## EXPERIENCE

**Full Stack Developer**  
Limestone Digital s.r.o

May 2022 – May 2025

- Developed and optimized responsive UI using ReactJS and Material UI for improved performance and accessibility.
- Refactored legacy pages (Handlebars/JSP) to SEO-friendly, performant Next.js pages, enhancing load times and search visibility.
- Improved app performance by optimizing state management, boosting feature efficiency by 10%.
- Delivered clean, maintainable code while adhering to best practices for scalability and readability.
- Conducted peer code reviews to ensure high-quality, standard-compliant code.
- Collaborated with stakeholders to define requirements, improving user experience and customer satisfaction.
- Integrated third-party APIs, expanding app functionality.
- Wrote unit and integration tests to ensure app stability.
- Worked closely with design teams to implement Figma designs into functional, user-friendly components.

## EDUCATION & CERTIFICATIONS

**MSc. Informatik/Computer Science**  
University of Freiburg

Freiburg, Germany  
Apr. 2025 – Ongoing

**AWS Certified Cloud Practitioner**  
AWS

Istanbul, Turkey  
Jan. 2025

**BSc. Software Engineering**  
Istanbul Aydin University

Istanbul, Turkey  
Sep. 2020 – Jun. 2024

## LANGUAGES

- English – C1
- German – A2
- Turkish – C1

## SKILLS

**Languages** Python, Java, Kotlin, JavaScript, TypeScript, SQL, NoSQL

**Libraries** React, Next.js, Spring Boot, NumPy, Pandas

**Tools&Platforms** Git, Docker, Jenkins, AWS (EC2, S3), REST APIs, GraphQL

**Testing** Jest, Cypress

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**Database** PostgreSQL, MySQL, MongoDB

**Other** Agile, CI/CD, Design Patterns, OOP, Clean Code

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## PROJECTS

**Ashj – an Interpreted Programming Language** - <https://github.com/yahyafati/ashj-lang>

- Designed a lightweight, interpreted, object-oriented programming language.
- Features: First-class functions, dynamic typing, and object-oriented principles.
- **Tech Stack:** Compiler Design, Core Java

**ReadingRealm: Book Cataloging Website** - <https://github.com/yahyafati/PenTalesKt>

- Built a web app for users to catalog, review, and share book collections.
- Features: User authentication, personalized book recommendations, social networking features.
- Deployed using AWS EC2 and Vercel for scalability.
- **Tech Stack:** React, Sass, TypeScript, Kotlin, Java, Spring Boot, OAuth2, Docker

**Inventory Management Web Application** - <https://github.com/yahyafati/SMS>

- Developed a comprehensive app to streamline inventory tracking and management.
- Features: Real-time updates, automated stock alerts, supplier management, multi-warehouse tracking.
- **Tech Stack:** Java, SQL, Spring Framework, Database Design, System Security