Baris Ayyıldız

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Experience

Software Engineer, Amadeus – Istanbul, Turkey   Mar 2024 – Oct 2025

Technologies: Java, Spring Boot, Apache Camel, Docker, Kubernetes, Zookeeper, OpenShift, Azure, Git, Jenkins

- Developed and integrated ESB solutions using Java, Apache Camel, Spring Boot, Kubernetes, and Zookeeper in a distributed environment, enabled reliable communication across **12 services in a SOA architecture**, supporting more than **20 airports** and handling approximately **3,000 movements** daily.
- Migrated a legacy JBoss application to Spring Boot and created Helm charts to support container orchestration during cloud migration.
- Built a testing framework for Apache Camel, adopted by **15+ developers** across multiple sites, enhancing test coverage and CI/CD quality.
- Led migration of the **Spring framework from 4.x to 5.x** and **Apache Camel from 2.x to 3.x**, resolving security vulnerabilities and improving system stability.
- Maintained system reliability by resolving production issues and handling customer tickets daily.
- Proactively identified and resolved security vulnerabilities as a white-hat developer.

Backend Developer, TEA Networks – Istanbul, Turkey   Oct 2023 – Jan 2024

Technologies: Java, Spring Boot, Kafka, MQTT, Docker, Kubernetes, PostgreSQL, TimescaleDB, Prometheus

- Performed backend development using Spring Boot, Java, and Kafka, handling time-series data in PostgreSQL and TimescaleDB to ensure efficient data management.
- Implemented and maintained Kubernetes and Docker containers for deployment, ensuring scalability and reliability of the application.

Frontend Developer, Jotform – Istanbul, Turkey   Jul 2022 – Jun 2023

Technologies: TypeScript, React.js, Redux, SCSS, Php, MySQL, Git, Github, Figma

- Reimplemented Jotform's old Import Data App using React.js, Redux, and Tailwind, resulting in improved performance and user interface.
- Collaborated with the Platform Team on Jotform's WordPress integration, which has over **50,000 active installations** and Salesforce integration, using React.js, Redux, CSS, PHP, and MySQL to achieve seamless integration and improve workflow.
- Conducted bug fixing and troubleshooting, resolving 20+ bugs per month during maintenance to ensure a smooth user experience.

FullStack Developer, Tuvis, acquired by Smartex.ai – Istanbul, Turkey   Feb 2021 – Sep 2021

Technologies: React.js, Python, Django, AWS, DynamoDB, Git, Github

- Conducted fullstack development with React.js and Python with Django Rest Framework.
- Implemented CI/CD pipelines using GitHub Actions and AWS CodeDeploy, ensuring seamless deployments.
- Leveraged AWS S3 and DynamoDB for storage and management.

Education

Brandenburg University of Technology, M.Sc. in Cyber Security   Oct 2025 – Present

Gebze Technical University, B.Sc. in Computer Engineering   Sep 2019 – Feb 2024

- GPA: 3.23/4.0
- **Coursework:** Object Oriented Programming, Data Structures and Algorithms, Discrete Mathematics, Algorithm and Design, Computer Organization, System Programming, Operating Systems

Mendel University in Brno, Erasmus Exchange Student   Feb 2022 – Jun 2022

- Faculty of Business
- **Coursework:** Software and Services Deployment, Machine Learning, Neural Networks in Applications, Theoretical Informatics

Certificates

- Certified SAFe 6 Practitioner
- Bits and Bytes of Computer Networking
- Redis Certified Developer
- Distributed Systems Design Fundamentals
- OBSS CodeMaster Winner

Languages

- **Turkish**, Native/Bilingual Proficiency
- **English**, Full Professional Proficiency
- **German**, Limited Working Proficiency