

FAHAAD AHMED

Software Engineer

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Goal

Software Engineer focused on **React/TypeScript** and **Java** backends, with a security-minded approach. Currently, I work on Automatic Train Supervision (ATS) systems, on **Debian** systems deployed in closed networks: UI modules, **API** integrations, containerized delivery, and structured log analysis. Previously the sole developer for a BPER internal tool (**Angular + Java**) in direct contact with Operations.

Currently pursuing an M.Sc. in Cybersecurity.

Tech Skills

Frontend: React • Typescript • Next.js • Angular
Backend: Java • Spring Boot • Node.js • Rest APIs • OSGi
Infra: Docker • Debian/Linux • nginx • Git • CI/CD
Data: PostgreSQL • MySQL • Redis
Scripting: Python • Bash

Work Experience

Stadler Signalling	Wallisellen, Switzerland
Software Engineer ATS	02/2023 - Present
<ul style="list-style-type: none">Built and maintained React/TypeScript modules for ATS UIs in closed Debian networks, improving stability and debuggability of operations dashboards.Collaborated with backend teams (Java/Spring) to design and integrate REST APIs, defining contracts and error handling with a focus on resilience.Containerized components with Docker and contributed to delivery in air-gapped environments; wrote run books and deployment documentation in IBM DOORS for customer handover.Performed structured log analysis and troubleshooting; produced requirements and technical documentation for commissions and project stakeholders.	
Horsa Group	Genova, Italy
Software Developer Junior	11/2019 - 11/2022
<ul style="list-style-type: none">Sole developer on an internal document and operations management tool for BPER with Angular and Java, with a direct interface to operations for requirements and iterative delivery.Improved maintainability by introducing reusable components, clearer API boundaries, and basic automated testing.Made earlier contributions on .NET and C#, then fully transitioned to Java and Angular stacks.	

Education

MSc in Cybersecurity	09/2024 - Present
University of London, UK	
Bachelors in Computer Engineering	09/2016 - 09/2019
Università degli Studi di Genova, Italia	

Languages

Italian	Native	●●●●●	English	Proficient	●●●●●	German	Beginner	●●●●●
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