

ONKAR WAGH

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EXPERIENCE

MiniOrange Security Software Pvt. Ltd.

Jan 2025- Jun 2025

Software Development Engineer I

- Working on an IAM platform delivering authentication, authorization, SSO, and MFA for enterprise applications.
- Modernizing a legacy Java system by upgrading to Java 17 and refactoring toward a cleaner Spring-based architecture.
- Designing and improving application security and access control mechanisms as part of platform evolution.
- Contributing to a distributed, service-oriented system with a focus on security, scalability, and reliability.
- Gained hands-on experience with Vert.x for building and understanding reactive, event-driven components within the platform.

MiniOrange Security Software Pvt. Ltd.

Jun 2025- present

Software Engineer Intern

- Gained hands-on experience working on an enterprise Identity and Access Management platform, understanding real-world authentication, authorization, SSO, and MFA workflows.
- Explored application security concepts, access control design, and secure system behavior in distributed environments.
- Developed strong exposure to backend systems, networking fundamentals, Linux environments, and modern backend infrastructure, working closely with experienced engineers in a production setup.

PROJECTS

Identity & Access Management (IAM) Platform

Jan 2025- present

- Integrated Single Sign-On (SSO) for legacy applications by connecting them to a centralized IAM system using JWT-based authentication.
- Collaborated on replacing in-memory authentication/session handling with a Redis-backed centralized approach, improving consistency across applications.
- Contributed to backend modernization by upgrading to Java 17, refactoring code toward a Spring/Spring Boot-based architecture, and supporting asynchronous workflows with RabbitMQ.

Project: Access Gateway – Identity & Access Management

Jan 2025- present

- Worked on an Access Gateway for secure request routing within enterprise applications.
- Contributed to reactive, event-driven components using Vert.x, improving concurrency and system responsiveness.
- Assisted in bringing the gateway to HTTPS with custom branding and configurations for different client deployments.

Integrated Education Platform (Final Year project)

Jun 2023 - May 2024

- Developed a dynamic learning platform with exam tools, video conferencing, and study material sharing.
- Integrated Firebase authentication for secure user management and Firestore storage for seamless file access.
- Utilized diverse databases to ensure efficient data management and a smooth educational experience.

EDUCATION

International Institute of Information Technology (I²IT), Pune

- B.E (Electronics & Telecommunication); CGPA: 8.66

Sir Parshurambhau College, Pune

- H.S.C; 68.15%

SSMV (Rayat shikshan sanstha), Shelgaon

- S.S.C; 94.00%

TECHNICAL SKILLS

- **Frameworks:** Spring, Spring Boot, Vert.x
- **Databases:** PostgreSQL, MySQL, MongoDB, Firestore
- **Tools:** Git, GitHub, Bitbucket, Docker, Redis, Postman
- **DevOps and Cloud:** Docker, Kubernetes, Containers, AWS, CI/CD Pipelines (GitHub Actions)
- **Messaging & Authentication:** Message Queue (RabbitMQ), Firebase Authentication, SAML, OAUTH, JWT

ADDITIONAL INFORMATION

- **Certifications:**
 - Data Structures By University of California San Diego - [Coursera](#)
 - Web development bootcamp by Dr. Angela Yu - [Udemy](#)
 - Data Science Internship - AcmeGrade
- **Interests:** Chess, Leetcode, Cricket