ANSH SHARMA

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Summary

Software Engineer **@EyCrowd** skilled in full-stack development, API design, cloud-native systems, container orchestration, and Agile collaboration.

Experience

Software Engineer Intern — EyCrowd, San Francisco, CA — Jun 2025 – Present
- Developed cross-platform features in React Native using Jest & React Testing Library, ensuring performance optimization and responsiveness.
- Integrated Salesforce CRM and Mixpanel for data-driven insights, improving customer engagement by leveraging analytics.
- Containerized Node.js microservices using Docker and Kubernetes for container orchestration, reducing deployment time by **40%**.
- Enhanced application scalability and security while introducing LLM-based features, boosting daily active usage by **25%**.

Software Developer — RoundTechSquare, San Francisco, CA — Jan 2025 – May 2025
- Built cloud-native inventory system using React.js, AWS (EC2, S3, DynamoDB), and Spring Boot MVC in a service-oriented architecture.
- Automated CI/CD pipelines with Jenkins & GitHub Actions; implemented monitoring via Grafana, enhancing reliability and reducing release times.
- Optimized APIs for performance and security; implemented Kafka-based event-driven communication and Redis caching, reducing manual errors by **30%**.
- Collaborated cross-functionally with product and QA teams to ensure scalable, user-focused design.

Full Stack Developer — Hiration Career Technologies, Delhi, India — Jun 2020 – Nov 2022
- Developed modular React/Next.js components integrated with Node.js and NLP APIs for SaaS applications.
- Led frontend testing with Jest & Mocha; achieved **95% code coverage** using JUnit & JaCoCo through TDD.
- Optimized SSR performance by **20%**, deployed on Vercel, and collaborated with designers to deliver accessible, user-centric UI/UX.

Projects

Agile Realms — GitHub Repository — Fall 2023
- Led Scrum-based development of a Java Swing application using Gradle for build automation in an Agile environment.
- Achieved **90% test coverage** through TDD practices with JUnit, improving maintainability and quality assurance.

Deep Learning Object Detection — Published IEEE Paper — Spring 2023
- Designed a YOLO + Sliding Window model trained on PASCAL VOC12 for efficient object detection, improving FP efficiency by **9.5%**.
- Authored and published a peer-reviewed paper in IEEE CSCITA Conference on scalable detection systems.

Education

Arizona State University, Tempe, AZ — Aug 2023 – May 2025
M.S. in Software Engineering (GPA: 3.85/4.0)

Netaji Subhas University of Technology, Delhi, India — Aug 2019 – May 2023
B.S. in Electronics & Communication Engineering (GPA: 8.32/10)

Technical Skills

Languages: JavaScript, Java, Python, C++, TypeScript, SQL, HTML/CSS, JSON, J2EE
Frameworks: React.js, React Native, Next.js, Node.js, Spring Boot MVC, Redux, Selenium, Jest, Mocha, JUnit, REST APIs, OAuth2, Design Patterns, Microservices, UI/UX Design, ARIA
DevOps: Docker, Jenkins, GitHub Actions, Kubernetes (Container Orchestration), Terraform, Grafana, CI/CD Pipelines, Version Control Systems, Service-Oriented Architecture (SOA), Security, Networking, Performance Optimization, Automation Workflows, Scalability, Caching, SDLC
Databases: PostgreSQL, MySQL, DynamoDB, MongoDB, Oracle, Redis
Tools: AWS (EC2, S3), Git, GitLab, Vercel, Salesforce CRM, Mixpanel, Postman, Swagger, UML, Figma, Kafka, n8n

Leadership & Volunteering

Special Education Teacher @Eklavya NGO — LinkedIn — Nov 2021 – Jan 2022
- Mentored underserved students in Java, API development, and Agile principles through collaborative learning.
- Designed and delivered a structured, project-based curriculum to enhance problem-solving and adaptability skills.