AYUSH KATRE

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Professional Summary

Full Stack Software Engineer skilled in **Java Spring Boot, React, and Cloud-Native solutions**. Experienced in designing **scalable applications, RESTful APIs, and CI/CD pipelines** using AWS, Kubernetes, and DevOps practices. Adept at Agile/Scrum and solving complex engineering challenges.

Technical Skills

- **Languages & Backend:** Java, Python, TypeScript, JavaScript, Spring Boot, Node.js, Express.js, RESTful APIs, GraphQL, Microservices, Design Patterns
- **Frontend:** React.js, Next.js, Redux, Tailwind CSS, Zustand, Server-Side Rendering (SSR), Static Site Generation (SSG)
- **Cloud & DevOps:** AWS (EC2, S3, IAM, RDS, Lambda, ECS, EKS, CloudFormation, CloudWatch, API Gateway), Google Cloud, Docker, Kubernetes, Jenkins, GitHub Actions, Terraform (Infrastructure as Code), Ansible, Helm, ArgoCD, NGINX, Continuous Integration/Continuous Delivery (CI/CD)
- **Databases:** MySQL, PostgreSQL, MongoDB, Redis, Supabase, Pinecone, Weaviate, FAISS, Chroma
- **AI/ML:** Artificial Intelligence (AI), Machine Learning (ML), Deep Learning, PyTorch, TensorFlow, Hugging Face, LangChain, Natural Language Processing (NLP), Retrieval-Augmented Generation (RAG), OpenCV, Model Fine-tuning
- **Testing & Monitoring:** JUnit, Mockito, Postman, Cypress, Selenium, JMeter, SonarQube, Prometheus, Grafana, ELK (Kibana), Kafka
- **Core CS & Practices:** Data Structures & Algorithms, OOP, System Design, DBMS, Operating Systems, Computer Networks, Agile, Scrum, SDLC, Test Automation

Work Experience

Cognizant   Remote
Java Developer Trainee   *Jun 2025 – Aug 2025*
- Developed and optimized **Spring Boot microservices** for enterprise-grade applications.
- Deployed services on **AWS EC2 with Kubernetes orchestration**, using YAML and Helm.
- Implemented Continuous Integration/Delivery pipelines with Jenkins and GitHub Actions.

Recode Hive   Remote
Open Source Developer   *Apr 2025 – Jun 2025*
- Contributed to full-stack applications using **React, Node.js**, and Agile methodology.
- Automated deployments with Docker and GitHub Actions, reducing release issues by 30%.
- Built ML-integrated dashboards, improving operational efficiency by 25%.

Projects

- **PixelUI – Component Library** GitHub — Live Demo
  React & Tailwind UI component library ensuring design consistency and accelerating development by 40%. *Tech Stack: Next.js, TypeScript, MDX, ShadCN, Tailwind CSS*
- **GovRFP360AI – AI-Powered RFP Automation** GitHub — Live Demo
  AI-driven platform automating RFP scraping, semantic search, and response generation using LLMs. *Tech Stack: FastAPI, Next.js, Gemini API, Pinecone, Weaviate, Tailwind, Vercel*

Education

Dr. D.Y. Patil Institute of Technology, Pune, India
Bachelor of Engineering; CGPA: 8.7/10   *Nov 2022 – May 2026*

Achievements

- Awarded Runner Up – Smart India Hackathon 2024 (National Innovation Challenge)
- Finalist in 14+ Hackathons – including SIH, Odoo, and national-level competitions
- Contributor – GirlScript Summer of Code (GSSoC) 2025
- Qualified GATE 2025 – National competitive exam in Data Science & AI
- Maintained 500+ day coding streak on GeeksforGeeks (highest in college)

Certifications

- Tata Forage – GenAI Data Analytics Job Simulation Certificate
- Oracle Cloud Infrastructure 2025 – Certified Data Science Professional Certificate