PALAK BATRA

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Summary

Software Engineer with 3+ years of experience in designing, developing, and deploying scalable applications. Hands-on expertise in building cloud-native APIs using Java, Spring Boot, Node.js, and AWS (Lambda, ECS, S3). Proficient in full-stack development and optimizing performance with CI/CD practices.

Technologies

Languages: JavaScript, Java, TypeScript

Backend: Node.js, Express.js, Spring Boot, REST APIs, Microservices

Frontend: React.js, Next.js, HTML/CSS, TailwindCSS

DevOps & Tools: Terraform, Jenkins, CI/CD, AWS, Git, Postman, Unix, Swagger, Postman, Kubernetes (K8s)

Concepts: REST APIs, Microservices, MicroFrontends, Agile, Cloud Computing

Experience

Analyst Programmer | Fidelity International   May 2024 – Present

- Designed **Spring Boot** application exposing API's to customers, created **Docker** images, deployed application on Kubernetes using Helm charts.
- Developed interactive UI using **React.js** for the frontend, backend by **Spring Boot** functions triggered by REST API's developed on **AWS API Gateway**.
- Implemented a **caching** mechanism to store frequently accessed API responses, reducing the load on server.
- Integrated **GenAI Github Copilot agent (e.g, GPT-4, Claude 3.5+** into daily development workflow via IDE engines, accelerating feature delivery.

Programmer | Fidelity International   Oct 2022 – April 2024

- Setup and managed **AWS API Gateway** for Node.js service, enabling secure, **IAM-based access** to microservice APIs.
- Achieved 100% unit test coverage using **Junit** and **Mockito**, reducing production bugs by 40%.

Graduate Programmer | Fidelity International   Dec 2021 – Sep 2022

- Automated testing processes using **Jest** increasing performance by 90% and ensuring relaibility of codebase.
- Built data visualization dashboards using Django, improving accessibility and UX by 30%.

Projects

Hackathon-Winning SaaS App

- Led frontend for a React-based document automation tool during GC BuildIt Hackathon (2025) Replacing 10-FTE manual workflow with automated pipeline; won **1st** out of 80+ teams.

Ease Expense | MongoDB, Express, Reactjs, Nodejs, API Integration

- Developed full-stack expense tracker with JWT auth, secure APIs, and optimized MongoDB queries.
- Built responsive frontend with React.js + Tailwind; deployed scalable backends on Render.

Certifications & Achievements

- **Winner – GC BuildIt Hackathon (2025)**
- **On-Spot Award:** Automated trade reconciliation for 10K+ transactions/day, reducing manual effort by 90%.
- Mentor @ Coding Ninjas: Taught DSA, debugging code optimization.
- Solved **500+ coding problems** across platforms.

Education

Deenbandhu Chhotu Ram University of Science and Technology (Sonepat),   August 2017 - July 2021
B.Tech (Electronics and Communication) | 7.8 GPA