

Prateek Verma

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EXPERIENCE

Philips

Apr 2024 – Present

Software Development Engineer I

Bangalore, India

- Designed core components of **Ultrasound Fleet Manager**, providing infrastructure provisioning via Crossplane-based IaC support for **7+ microservices** across multiple environments.
- Developed Ultrasound fleet utilization dashboards for monitoring and tracking device usage and operational metrics.
- Implemented **AWS Secrets Manager** integration with EKS using External Secrets Operator, ensuring secure secret injection in **3+ deployments**.
- Optimized high-latency Spring Boot APIs via caching and query optimization, reducing response time by **15% (from 400 ms to 340 ms)** for critical APIs.
- Automated microservice scaffolding via **Backstage templates**, reducing developer onboarding time by **90%**.
- Standardized CI/CD pipelines via reusable **GitHub Actions**, improving deployment reliability for **11+ repositories**.
- Spearheaded observability platform implementation using **Helm, Kubernetes, Prometheus, and OpenTelemetry**, enabling distributed tracing and faster issue diagnosis in production.

Philips

Jun 2023 – Apr 2024

Software Development Intern

Bangalore, India

- Developed full-stack features using **React and Node.js** for Backstage Developer Portal, serving **1000+ internal developers**.

PROJECTS

Naukri Resume Action | JavaScript, GitHub Actions, Node.js | **GitHub Marketplace**

- Automated resume upload workflow as a reusable GitHub Action with scheduled triggers, credential encryption, and self-hosted runner support, reducing manual effort for developers.

Backstage Scaffold Insight Viewer Plugin | React, TypeScript, Backstage API | **NPM Package**

- Published an open-source plugin for Backstage, allowing real-time visualization of scaffolding information and template usage analytics for engineering teams.

JSONCrack OSS Contribution (10K+) | React, Zustand | **PR Link**

- Resolved a production crash in the Tree View component by implementing safe state initialization guard conditions, fixing null reference errors for thousands of users.

ACHIEVEMENTS

- **Competitive Programming:** Achieved a LeetCode rating of **1681 (Top 15%)** with **500+** DSA problems solved.
- **Open Source:** Contributions merged in **JSONCrack (10K+)** and **Motia Dev (5K+)**.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript

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

Frontend: React.js, Micro Frontends (Module Federation)

Cloud Platforms: AWS (EKS, ECR, S3, Secrets Manager), Kubernetes, Helm, Crossplane, Docker, GitHub Actions

Observability: OpenTelemetry, Prometheus, Grafana

GenAI: LangChain, LangGraph, LLM Integrations

Tools: Git, Linux

Certifications: AWS Certified Cloud Practitioner

EDUCATION

Lovely Professional University

Jul 2020 – May 2024

B.Tech in Computer Science and Engineering

GPA: 8.41 / 10