

Prateek Verma

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EXPERIENCE

Philips <i>Software Development Engineer I</i>	Apr 2024 – Present Bangalore, India
<ul style="list-style-type: none">– 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 <i>Software Development Intern</i>	Jun 2023 – Apr 2024 Bangalore, India

PROJECTS

Naukri Resume Action JavaScript, GitHub Actions, Node.js GitHub Marketplace
<ul style="list-style-type: none">– 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
<ul style="list-style-type: none">– 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
<ul style="list-style-type: none">– 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 <i>B.Tech in Computer Science and Engineering</i>	Jul 2020 – May 2024 GPA: 8.41 / 10
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