

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">Developed Ultrasound Fleet Manager platform components, including Crossplane-based IaC and a React utilization dashboard.Integrated AWS Secrets Manager with External Secrets Operator for secure secret delivery into EKS workloads.Optimized backend APIs via query tuning, caching, and payload reduction, improving performance by 12%.Migrated frontend API calls to TanStack Query for improved caching and request deduplication.Enhanced internal developer portal to streamline onboarding and developer experience.Built reusable GitHub Actions and optimized CI/CD pipelines for faster deployments.Created Confluence plugins and Backstage scaffolding templates to automate microservice onboarding.Published internal Backstage plugins to NPM for reuse across teams.Led deployment of observability stack using Helm, Kubernetes, and OpenTelemetry.Instrumented services using OpenTelemetry SDKs (Python) to capture domain-specific metrics and traces.	
Philips <i>Software Development Intern</i>	Jun 2023 – Apr 2024 Bangalore, India

PROJECTS

Naukri Resume Action GitHub Marketplace
<ul style="list-style-type: none">Built a GitHub Action to auto-upload resumes to Naukri.com with scheduled/manual triggers.Supports multiple resume uploads, GitHub Secrets, and self-hosted runners.Documented setup and security practices; featured on GitHub Marketplace.
Backstage Plugin: Scaffold Insight Viewer NPM
<ul style="list-style-type: none">Developed a plugin to visualize Backstage scaffolding metadata and template usage.Helps engineering managers track template adoption trends.Published as an open-source NPM package.
JSONCrack (10K+ Open Source Project) PR Link
<ul style="list-style-type: none">Resolved a critical Tree View reload crash by ensuring Zustand store initializes with valid JSON ("").Eliminated null JSON parsing on refresh, improving stability in a widely-used open-source tool.

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, C++
Frontend: React, Micro Frontends (MFE)
Backend: Spring Boot, Node.js, Express.js
Cloud & DevOps: AWS (EKS, ECR, EC2, S3, Secrets Manager), Kubernetes, Helm, Crossplane, Terraform, Docker, GitHub Actions, LocalStack
Observability: OpenTelemetry (SDK & Collector), Prometheus, Grafana
Other Tools: Git, Linux, Lens

CERTIFICATIONS

AWS Certified Cloud Practitioner (CCP) – Amazon Web Services

EDUCATION

Lovely Professional University <i>B.Tech in Computer Science and Engineering</i>	Jul 2020 – May 2024 GPA: 8.41 / 10
SN Senior Secondary School <i>Senior Secondary Education (CBSE)</i>	Jul 2018 – May 2019 Percentage: 87.20%