

Prateek Verma

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EXPERIENCE

- Philips** Apr 2024 – Present
Software Development Engineer I Bangalore, India
- 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** Jun 2023 – Apr 2024
Software Development Intern Bangalore, India
- Implemented full-stack features in React and Node.js for the **Backstage Developer Portal**.
 - Worked on search optimizations and bug fixes across **Module Federation** React applications.

PROJECTS

- Naukri Resume Action** | GitHub Marketplace
- 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
- 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
- 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** Jul 2020 – May 2024
B.Tech in Computer Science and Engineering GPA: 8.41 / 10
- SN Senior Secondary School** Jul 2018 – May 2019
Senior Secondary Education (CBSE) Percentage: 87.20%