Praveendhra Rajkumar

Software Engineer, AI Developer Tools & Apps · DevOps Engineer

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SUMMARY

Engineer with 5+ years shipping production systems, now focused on building AI developer tools and applications. At Bright Horizons I build MCP servers, GitHub Copilot agent workflows and LLM tooling used across engineering, on top of running CI/CD and Azure infrastructure. I also build and deploy apps end to end in Flutter, JavaScript and Supabase. MS in Computer Science, UMass Boston.

SKILLS

AI & LLM: Model Context Protocol (MCP) servers, GitHub Copilot coding agent, LLM applications, prompt engineering, Azure AI Foundry, LLM fine-tuning on Azure GPU VMs

Languages: Python, TypeScript, JavaScript, Java, Dart, SQL, PowerShell, Bash

Apps & APIs: Flutter, Node.js, REST, GraphQL, OAuth 2.0 / SSO (On-Behalf-Of), Supabase, Struts

Cloud & DevOps: Azure, AWS, GCP, Kubernetes, Docker, Terraform, Ansible, GitHub Actions, Azure DevOps, Jenkins, Windows Server / IIS

Data & Observability: PostgreSQL, SQL Server / Azure SQL MI, MySQL, Kafka, Dynatrace, Application Insights, Prometheus, Grafana

EXPERIENCE

DevOps Engineer
Jun 2024 – Present

Bright Horizons Family Solutions · Newton, MA (Hybrid)

- Built production MCP servers (TypeScript) that give engineers one SSO-authenticated path into GitHub, Azure DevOps and Dynatrace, using Azure AD OAuth On-Behalf-Of flows and Azure API Management; in use org-wide.
- Built an AI cherry-pick workflow: a */ai-cherry-pick* PR comment assigns the GitHub Copilot coding agent through the GraphQL API to prepare the change.
- Deployed GitHub Copilot metrics tooling on Azure with PostgreSQL and built custom agents that drove Copilot adoption across engineering.
- Scoped fine-tuning an open-weight LLM (Qwen) on internal runbooks, pipeline configs and incident history; chose low-priority Azure NC-series GPU VMs over managed fine-tuning to cut cost.
- Built a web console for approving Azure DevOps release pipelines across multiple projects, with PAT auth and branch-aware environment toggles.
- Leading the Backup Care org's migration from Azure DevOps to GitHub: 7 Python migration scripts, GitHub Actions automation (auto back-merge, branch locks) and org-wide ruleset management.
- Ship bi-weekly production releases with 99%+ on schedule; cut MTTR 30% with Dynatrace and Application Insights dashboards, alerts and runbooks; cut configuration drift 45% with Terraform.

Platform Engineer (part-time)
Sep 2022 – May 2024

University of Massachusetts Boston, IT Services · Boston, MA

- Built Jenkins pipelines for 15+ internal tools; deployments that took days now finish in under 15 minutes.
- Wrote Python and Bash automation for 200+ IT ticket workflows, cutting manual resolution time 35%.
- Cut incident detection time 40% with Prometheus and Grafana alerting; automated a 500 GB+ data migration with Ansible and zero downtime.

Cloud Infrastructure Engineer Dec 2019 – Sep 2022

Zoho Corporation · Chennai, India

- Fixed high-priority bugs and shipped feature improvements in Zoho's in-house cloud management console (Java, Struts, JavaScript).
- Designed a configuration-comparison system that flags drift between production and DR environments before a failover exposes it.
- Ran Kafka event-streaming pipelines, NGINX/F5 header-based routing, VMware ESXi and quarterly disaster-recovery switchovers.

Software Engineer Intern Jun 2019 – Jul 2019

Zoho Corporation · Chennai, India

- Built an internal full-stack tool in Java, JavaScript and MySQL for the infrastructure team.

PROJECTS

Momentum — momentum.praveendhra.com
Self-improvement tracker with a GitHub-style progress graph; Supabase auth and Postgres, deployed with GitHub Actions on a custom domain.

Task Tracker: Step by Step — task.praveendhra.com
Flutter task app; CI builds the web app and publishes it to GitHub Pages; iOS release in progress.

Cadence: Interval Alarm — github.com/praveendhra/interval_alarm_app
Flutter interval alarm app with custom audio import and synthesized tunes; testing on TestFlight ahead of the App Store.

CERTIFICATIONS

HashiCorp Terraform Associate (004) · Aug 2026
Microsoft Azure AI Fundamentals · Aug 2026
AWS DevOps on AWS Specialization · Mar 2025
AWS Containerized Applications on AWS · Mar 2025

EDUCATION

M.S. Computer Science, University of Massachusetts Boston · 2024
B.E. Computer Science and Engineering, St. Joseph's College of Engineering (Anna University) · 2020