

Priya Rani

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Profile

AWS Certified Developer with 13+ years of experience in cloud-native development, backend engineering, and CI/CD automation. Adept in designing secure, scalable solutions across AWS and Azure, integrating DevSecOps practices for high-performance cloud infrastructure. Proven ability to lead cross-functional teams, implement IaC securely, and drive automation in agile environments.

Skills

Cloud Platforms: AWS, Azure

Programming Languages & Scripting: Python, JavaScript, TypeScript, Node.js, Bash, Shell Scripting, C++, Object-Oriented (OOP)

Web Development & Frameworks:: Express.js, REST APIs, GraphQL, GraphQLClient, React, Hugo, NGINX, Tailwind CSS

Infrastructure(IaC) & DevOps: Terraform, Bicep, Docker, Kubernetes, Helm, GitHub Actions, Azure DevOps

Containerization & Orchestration:: Docker, Docker Compose, Kubernetes, Helm Charts, YAML, External Secrets Operator (ESO), ArgoCD

Security & Authentication: OAuth2.0, JWT, OIDC, SSO (Azure), IAM

Monitoring & Logging: CloudWatch, Grafana, Prometheus, Azure Log Analytics, Pino

Database & Storage: PostgreSQL, MongoDB, Redis, DynamoDB, S3, Azure Blob Storage

Architectural Patterns: Microservices, Serverless, Event-Driven

CI/CD & Automation: Git, GitHub Actions, Azure DevOps Pipelines, ArgoCD, npm, Vercel

Testing & Observability: Jest, JMeter, Postman

Markup & Content Tools: XML, SharePoint, Markdown

Project Management & Agile Tools: Jira, Confluence, Agile, Scrum, Kanban

Professional Experience

Redspace Inc. 🔗

Nov 2020 – Jan 2025 | Halifax, Canada

Senior Software Developer

- Authored reusable Terraform and Bicep infrastructure foundations, reducing environment setup time by 50% and enabling consistent multi-cloud deployment.
- Led the design and automation of SharePoint configurations across Azure environments, improving consistency and reducing manual setup overhead.
- Implemented Azure Load Testing and JMeter to validate full-stack performance, enhancing system resilience and throughput.
- Delivered backend solutions and CI/CD pipelines for AWS and Azure platforms, improving developer velocity and reducing production incidents; optimized performance under high traffic with caching.

- Spearheaded the development of AWS-native ETL pipelines using Lambda, SNS, SQS, S3, and API Gateway, accelerating data ingestion and analysis to support high-throughput workloads.
- Authored the backend architecture document and built a centralized documentation site for the team, accelerating onboarding and aligning cross-team technical standards.
- Deployed scalable microservices using Docker and Kubernetes; integrated Kafka and ESO with secure secret management via Azure Key Vault.
- Enabled observability with proactive monitoring through Azure Log Analytics, Grafana, and Prometheus, reducing MTTR and improving system uptime.
- Mentored junior developers through code reviews, onboarding support, and pair programming, fostering a strong team learning culture.

Mphasis Ltd.

Nov 2019 – Jul 2020 | Bengaluru, India

Delivery Module Lead

- Led the **final module delivery** for **HPE Smart Storage devices**, integrating **device driver libraries and automation tools**.
- Delivered infrastructure as code using CloudFormation and Terraform, reducing provisioning time by 60% and ensuring consistent environments.
- Designed an **automated build tool** using **Python**, reducing manual effort and improving efficiency.
- Acted as **client liaison**, managing software development lifecycle from **requirement gathering to deployment**.

Siemens Healthineers

Apr 2015 – Oct 2019 | Bengaluru, India

Senior Software Engineer

- Developed DICOM-compliant medical imaging software in C++, optimizing Patient browser and patient data management.
- Led a 4-member team to develop an impact assessment tool for analyzing critical code changes.

Wipro Technologies

Oct 2011 – Mar 2015 | Bengaluru, India

Software Engineer

- Developed C++/MFC executables and UIs for Toshiba MFP and e-STUDIO, enabling scanning, job backup, Address Book management, and status monitoring, enhancing operational efficiency.
- Led OEM module deployment, handling InstallShield packaging, design/release documentation, and ensuring seamless version control and connectivity.

Personal Projects

CloudMasteryBlueprints

Mar 2025 – present

Building CloudMasteryBlueprints – a work-in-progress, fully automated cloud infrastructure project using Terraform, AWS, EC2, Docker, and GitHub Actions. Designed to scale with ArgoCD, Helm, EKS, and observability integrations.

Education

DIT University

2008 – 2011 | India

Bachelor of Technology

Certificates

- AWS Certified Developer - Associate 