Priya Rani

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Profile

Seasoned Software Developer with over 13 years of experience in software development and object-oriented programming(OOP), specializing in backend development, cloud technologies (AWS & Azure), and CI/CD for efficient delivery. Demonstrated expertise in leading teams, architecting resilient systems, ensuring high-quality software production, and meticulous documentation. Adept at client communications, requirement analysis, and promoting innovation, problem-solving, and teamwork.

Skills

Cloud Platforms
AWS/Azure

Web Development & Frameworks:
Node.js/Express.js/GraphQL/GraphClient/RESTful APIs/XML/Sharepoint/NGINX/Hugo

Architectural Patterns
Microservices/Serverless/Event-Driven

Security
OAuth/OIDC(Azure SSO)/JWT (JSON Web Tokens)/Data Encryption

Logging & Monitoring
Azure Log Analytics/Amazon CloudWatch Logs/Pino

Programming Languages & Scripting
Python/JavaScript/Bash/Shell Scripting/C++

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

Version Control, DevOps & (IaC)
Version Control: Git, Azure DevOps/CI/CD: Azure DevOps, Pipeline/Code Review/IaC: Terraform, Bicep

Tools & Platforms
Grafana/Prometheus/Markdown/Kafka/Jmeter/jest
JIRA and Confluence

Software Development Methodologies
Agile/Scrum

Professional Experience

Redspace Inc. 🔗   Nov 2020 – Jan 2025 | Halifax, Canada
Senior Software Developer

Training Website Development for a defense client (Azure):
- Automated SharePoint configuration scripts, enabling seamless promotion of changes across environments, improving consistency, and reducing setup time.
- Led the design and implementation of endpoints and load testing setups using JMeter and Azure Load Testing to evaluate the complete website workflow, from user login through portals, GraphQL queries, JWT authentication, and API endpoints. Optimized performance under high traffic with caching.

- Built and optimized the documentation site as the central repository. Created the architecture document for backend services, detailing system structure and components.
- Implemented CI/CD pipelines, optimized code, and established Bicep IaC foundation. Used Docker and Kubernetes for microservice containerization and orchestration, ensuring scalable and resilient deployments. Set up Confluent Kafka producer/consumer for event-driven communication, integrated External Secret Operator (ESO) and KeyVault credentials for secure pipeline management, and enabled Azure Log Analytics for monitoring and troubleshooting.

Sports Application Platform Development (AWS):
- Led the development and deployment of an ETL pipeline for a sports application, leveraging microservices, terraform, EC2, and serverless solutions.
- Designed and implemented an ETL pipeline using AWS services like S3, Lambda, SNS, SQS, API Gateway, and EC2 for efficient data processing.
- Developed Python scripts for data extraction and transformation, integrated external APIs, and ensured pipeline reliability with CloudWatch alarms for performance monitoring and issue resolution.

Mphasis Ltd. 🔗   Nov 2019 – Jul 2020 | Bengaluru, India
Delivery Module Lead
- Delivered the final module for HPE Smart Storage devices, integrating device driver libraries, data exchange libraries, and third-party tools; led a 3-member team to build an automated build tool for product integration using Python.
- Acted as the primary liaison between Mphasis and the client team, contributing to all phases of the software development lifecycle, including requirement analysis, development, testing, and code reviews.

Siemens Healthineers 🔗   Apr 2015 – Oct 2019 | Bengaluru, India
Senior Software Engineer
- Developed and maintained Syngo Classic, a DICOM-compliant framework for Siemens Healthcare devices in C++, utilizing OOAD design patterns and multithreading for efficient and secure patient image management, ensuring seamless integration and data handling across devices.
- Led a 4-member team in creating a tool to assess the impact of critical code changes, managing change requests and version control, and resolving critical beta issues ahead of SLA.

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.

Education

Bachelor of Engineering
2008 – 2011 | India

Certificates

- AWS Certified Developer - Associate 🔗