

Aditya Patel

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SUMMARY

Results-driven Node.js Developer with 9 years of experience in designing and building scalable applications. Expertise in architecting serverless patterns, microservices, and cloud-based solutions using AWS. Proficient in Node.js, MongoDB, PostgreSQL, Serverless Framework, and Terraform for infrastructure as code (IaC). Passionate about delivering efficient, high-performance, and cost-effective solutions.

EXPERIENCE

Altimetrik India Pvt. Ltd., Staff Engineer

Feb 2024 - Present

Architected & optimized serverless microservices, reducing AWS costs by 70% by migrating from Serverless Framework v4 to Terraform (IaC).

Saved approx. \$15K/month in AWS costs by right-sizing Lambda memory, implementing auto-scaling, and switching to Graviton processors.

Reduced Lambda cold starts by 30% through code optimization, modularization, and memory configuration tuning.

Designed event-driven patterns using SQS, SNS, and CloudWatch etc. to decouple services and improve scalability.

Implemented AWS X-Ray for distributed tracing, reducing latency issues by 25% in microservices communication.

Improved CI/CD pipeline efficiency by 50% by redesigning Lambda layer creation, enabling faster deployments and better dependency management.

Enforced least-privilege IAM policies using Terraform, reducing security vulnerabilities by 60%.

Designed an innovative plugin-based package (custom package) for our core services, enabling teams to selectively import only needed functionality while maintaining centralized updates.

Mentored junior engineers on serverless best practices, Terraform, and cost optimization strategies.

Ikocas Digital Technologies, Senior Software Engineer

Jan 2021 - Jan 2024

Modernized a legacy application (TaskForge) by migrating from a monolithic architecture to a serverless cloud-based solution, improving scalability, cost efficiency, and performance.

Analyzed existing architecture (monolithic backend + MongoDB database) and identified bottlenecks in scalability and maintenance.

Designed a serverless solution using AWS Lambda, API Gateway, SQS, SNS and S3 reducing infrastructure overhead by 60%.

Improved performance by decoupling the events (Node.js + Serverless Framework + SQS), reducing latency by 50%.

Reduced server maintenance costs by 35% while improving scalability.

Achieved 99.9% uptime with zero downtime during migration.

Ensured reliability by implementing CloudWatch alerts & S3 logging for proactive issue resolution

Optimized Broadbean's backend infrastructure for scalability and real-time processing using AWS serverless technologies and event-driven design, reducing latency by 45%.

Revamped event-driven workflows using AWS EventBridge + Lambda, decoupling job posting/candidate matching services and improving throughput by 30%.

Used S3 Event Notifications + Lambda to auto-trigger resume parsing (Node.js + PDF.js).

Adding SQS FIFO queues for duplicate job application submissions.

Right-sizing Lambda memory allocations using AWS CloudWatch Metrics.

Switching scheduled Cron jobs from EC2 to EventBridge + Step Functions.

Developed and optimized Node.js backend services for patient data management in compliance with HIPAA/US healthcare standards, enabling secure and scalable EHR (Electronic Health Record) workflows.

Enabled CRUD operations for EHRs (Electronic Health Records) with MongoDB (document-based storage for unstructured clinical data).

Implemented JWT-based authentication and role-based access control (RBAC) to ensure HIPAA-compliant data security.

Writing Node.js scripts to migrate legacy patient data (CSV/XML) to MongoDB with validation checks.

Using Mongoose schema validation to enforce data consistency.

Implementing server-side pagination for large datasets.

CitiusTech Healthcare Pvt. Ltd., Senior Software Engineer

Dec 2019 - Jan 2021

Developed Bash/Python scripts to monitor, test, and upgrade Teradata server clusters, minimizing downtime during critical patches.

Created OS-level tools (Linux) to automate log cleanup, disk space alerts, and performance tuning, improving server efficiency by 30%.

Collaborated with cross-functional teams to debug and resolve production data pipeline failures, reducing SLA breaches by 20%.

*Teradata India Pvt. Ltd., **Change Control Specialist***

Aug 2016 - Dec 2019

Developed Bash/Python scripts to monitor, test, and upgrade Teradata server clusters, minimizing downtime during critical patches.

Created OS-level tools (Linux) to automate log cleanup, disk space alerts, and performance tuning, improving server efficiency by 30%.

Collaborated with cross-functional teams to debug and resolve production data pipeline failures, reducing SLA breaches by 20%.

LICENSES & CERTIFICATIONS

AWS Certified Developer – Associate

Teradata Certified Professional

SKILLS

Node.js • MongoDB • JavaScript • CI/CD • AWS Lambda • DynamoDB • Terraform • Microservices •
Serverless • Linux

HONORS & AWARDS

Customer Champion

Pat On The Back

Night On The Town