

ANOSH FALLAH

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Staff Full-Stack Engineer & Architect skilled in AWS, Node.js, Python, React, GoLang, CI/CD, IaC

Diligent Staff Full-Stack Software Engineer with 15+ years of experience in enterprise software development, specializing in cloud architecture and microservices.

Proven track record of enhancing system performance, achieving a 93% reduction in load times and 35% improvement in query efficiency.

Demonstrated leadership in architecting secure, scalable solutions using AWS, GraphQL, and GenAI, while mentoring teams to uphold high coding standards and compliance.

ACHIEVEMENTS

- Engineered AI-driven Slack automation workflows for real-time engineering event processing, delivering secure, event-based operational insights @Intuit
- Built a customizable clinical analytics dashboard for physicians and stakeholders, enabling high-fidelity biometric visualization and improved clinical decision-making @Medtronic
- Designed and deployed a production-grade Kafka platform enabling high-throughput, fault-tolerant, decoupled microservice communication across enterprise systems @ADP
- Architected a highly available, multi-region AWS collaboration platform delivering real-time content with sub-100ms search latency for global newsrooms via multiple CDNs @Disney ABC
- Built a globally scalable cloud platform that converted physical tickets into secure Apple Wallet passes, enabling mobile venue entry for millions of fans worldwide @Ticketmaster / Live Nation

WORK EXPERIENCE

INTUIT - Lead Full-Stack Software Engineer (GenAI/GraphQL)

10/2024 – Present

- Migrated transactional REST APIs to GraphQL, improving data consistency and increasing query performance by 35%
 - Developed secure financial monitoring systems using Node.js, Express, GenAI, and Slack integrations
 - Led frontend platform architecture using Next.js, TypeScript, and Vite for scalable, high-availability systems
 - Architected serverless AWS solutions using Lambda and API Gateway with 99.99% uptime
 - Ensured SOX and PCI compliance by auditing and securing CloudFormation and Terraform infrastructure
 - Improved CI/CD pipeline efficiency by 50% using AWS CodePipeline, Docker, and Podman
 - Standardized Python and FastAPI microservices, providing technical leadership and coding best practices
- Stack:** GenAI, GraphQL, Python, FastAPI, TypeScript, AWS (Lambda, API Gateway, CodePipeline), Node.js, Express.js, MySQL, PostgreSQL, MongoDB, Docker, Podman, Redis, Kubernetes, Terraform, CloudFormation, ReactJS, Jenkins, GitLab CI/CD, Kafka, Llama, LangChain

MEDTRONIC - Lead FullStack Developer (Azure/AWS)

01/2021 – 09/2024

- Architected a patient data platform with distributed caching, reducing application load times by 93%
 - Implemented secure GenAI and GraphQL pipelines for auditable clinical recommendations using encrypted PHI
 - Led frontend standardization using Next.js, React, and TypeScript for scalable patient-facing applications
 - Designed HIPAA-compliant data governance with multi-cloud SSO using Azure AD, AWS Cognito, and SAML2
 - Developed backend services with Python, FastAPI, Node.js, Kafka, and distributed databases
 - Built scalable CI/CD infrastructure using Kubernetes, Terraform, and GitLab, improving delivery speed by 50%+
 - Provided technical leadership by defining secure coding standards and data management protocols
- Stack:** Python, TypeScript/JavaScript, Java, Node.js, React, Angular, FastAPI, Django, Spring Boot, GraphQL, GenAI, AWS (Lambda/Fargate/API Gateway), GCP (Cloud Run/GKE/BigQuery), Azure, Docker/Podman, Kubernetes, Terraform/CloudFormation, CI/CD (Jenkins/GitLab/Cloud Build), PostgreSQL, MySQL, MongoDB, Oracle, Redis, Kafka, Spark, Snowflake, Textract

ADP - Lead FullStack Developer/Architect (Kafka/AWS)

12/2017 – 12/2020

- Designed a high-throughput financial data platform using Kafka with 99.999% data consistency and disaster recovery
 - Migrated monolithic payroll applications to microservices, reducing API latency by 45% and increasing system throughput
 - Led frontend architecture using Next.js, React, and Vite to improve performance and development velocity
 - Implemented TypeScript standards and component-based architecture, reducing production defects by 20%+
 - Developed and optimized GraphQL APIs with Aurora and DynamoDB for large-scale, performance-critical workloads
 - Engineered cloud-native infrastructure on AWS EKS using Terraform, reducing operational costs by 30%
 - Mentored junior and mid-level engineers and established architectural and coding best practices
 - Improved system reliability using observability tooling, achieving 99.99% uptime and 60% faster incident resolution
- Stack:** TypeScript, Java, Spring Boot, React, Node.js, Kafka, Spark, AWS (EKS, Lambda, Aurora, DynamoDB, CloudWatch, Secrets Manager), Azure, GraphQL, Oracle, MySQL, MongoDB, Docker, Kubernetes, Terraform, CloudFormation, Databricks, Redis, New Relic, OpenID, SAML

DISNEY ABC - Senior Full-Stack Developer/Architect (AWS, React, Distributed Systems) 07/2016 – 12/2017

- Integrated Python services with ServiceNow for automated L2 ticketing and improved incident response workflows
- Developed high-performance Apple Wallet APIs using Python, FastAPI, and autoscaling to achieve 10x speed improvements
- Designed active-active, multi-region microservices using Node.js and Express with sub-100ms global latency
- Built scalable full-stack applications with Next.js, React, and TypeScript using strict compiler standards
- Improved CI/CD pipelines and frontend build performance using Vite and modern tooling
- Engineered resilient data pipelines with Kafka and Cassandra for distributed event-driven systems
- Implemented enterprise authentication using SAML2, OAuth2, and secure token lifecycle management
- Automated cloud infrastructure using Terraform and CloudFormation across AWS and Azure, reducing costs and provisioning time

Stack: Java, Spring Boot, Python, GoLang, Node.js, React, AWS (ECS/EKS/RDS/S3), Aurora, Cassandra, MongoDB, Docker, Kubernetes, Terraform, ELK, New Relic, JMeter, Bash

LIVE NATION / TICKETMASTER - Senior Full-Stack Developer/Architect (AWS, Python) 09/2014 – 04/2016

- Improved presale and on-sale system performance by 10x, reducing processing time from hours to minutes
- Optimized Java JARs with caching, timeout handling, and detailed application logging
- Designed dockerized EC2 microservices using AWS CloudFormation, ALB, S3, RDS, and centralized logging
- Reverse engineered undocumented applications and libraries, producing clear technical documentation
- Implemented monitoring and alerting using Servlet logging, Sumo Logic, New Relic, and Amazon CloudWatch
- Built Shell and Python automation scripts to simulate and compare API behavior across environments
- Standardized API error handling using proper HTTP status codes and structured JSON responses
- Recognized by senior leadership for fast issue resolution and preventing business disruptions
- Automated infrastructure and deployments using Chef, Puppet, and Knife

Stack: Typescript, ReactJS, Angular, Vue, Javascript, ES6/7/8, Java, Spring Boot, Python, GoLang, RDS, Oracle, Aurora, S3, ECS, EKS, Docker, Kubernetes, Terraform, Cloud-Formation

DISNEY PARKS & RESORTS - Web Developer 01/2010 – 04/2016

SKILLS

Programming: NodeJS, Python, GoLang, Java, Perl, ReactJS, Ruby, Rust, TypeScript, Vite, JavaScript, Angular, PHP, C, C#, C++

AI: GenAI, LangChain, Llama, Vector Databases, MLOps, Prompt Engineering, Agentic Architecture, AWS SageMaker, AWS Bedrock, Cost Optimization, LLM Evaluation, Semantic Caching, RAG, Copilot, Replit, OpenAI/Anthropic API, MCP

Cloud (AWS/Azure/GCP): Apache Airflow, API Gateway, CloudFormation, CloudFront, CloudWatch, Code Build, Code Commit, Code Deploy, Code Pipeline, Docker, eb-extensions, EC2, ECR, ECS, EFS, EKS, Elastic Cache, Fargate, Glacier, IAM, Kinesis, KMS, Kubernetes, Lambda, Load Balancers, Parameter Store, Route53, S3, Secrets Manager, SES, SNS, SQS, Terraform, VPC, X-Ray,

Data/ETL: Athena, Glue, Kafka, Numpy, Pandas, PySpark, RabbitMQ, Redis, Redshift, Shell/Bash, Scripting, Snowflake, API

Database: AuroraDB, Cassandra, DynamoDB, GraphQL, MariaDB, MongoDB, MySQL, Oracle, PostgreSQL, RDS, Redis, MSSQL

Security: AIM, Cognito, JWT, OAuth2, OpenID, SAML2, Penetration Testing, DoS protection, Encryption, Firewalls, SiteMinder, SSL

DevOps: Ansible, Apache Tomcat, Artifactory, Azure DevOps, Celery, Chaos Monkey, Chef, DataDog, Docker Compose, DockerHub, Elastic Email, Gradle, Grafana, Jenkins, JFrog, Maven, Nagios, NewRelic, Nginx, Ping Monitor, Prometheus, Puppet

Testing: AssertJ, Cobertura Code Coverage, DBMock, JUnit, Mockito, PHPUnit, Powermock, Selenium, TDD, WireMock, WireShark

EDUCATION

Lakehead University • Bachelors (Software Engineering)