

# 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, CloudFormation

**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)