

Anupam Raj

B.Tech. | M.S. | Backend Developer & Cloud Engineer

Summary

- Accomplished Backend Developer & Cloud Engineer with over 5 years of experience.
- Have expertise in designing and building scalable, secure, and reliable cloud-native solutions.
- Adept at working in fast-paced environments and delivering complex software projects that meet high standards of code quality and reliability.

Employment

Arteria AI (a Deloitte spinoff and a SaaS-based multi tenant B2B app)

Senior Software Engineer (Full Stack)

Toronto
May 2024 to Current

- A micro service architecture based application
- Front end using React / Redux / TypeScript / RxJS
- Back end using Python / Django / PostgreSQL / Redis
- Application deployed on AWS using Terraform
- Helped prepare the technical design document for integration of a third party application and implemented webhooks
- Enhanced test coverage in front end (Jest) as well as back end (Pytest)

Nest Wealth Solutions Inc. (a SaaS-based multi tenant B2B app)

Software Engineer (Full Stack)

Toronto
Nov. 2021 to Dec. 2023

- Developed and deployed cloud native event based microservices with Kafka, RabbitMQ, NodeJs, TypeScript, Python, Go, MySQL, Mongo, Redis, and AWS cloud services
- Implemented cost optimization for AWS infrastructure components
- Led client facing API's authentication mechanism upgrade
- Led and implemented a critical migration project for a client by developing a dedicated custodian submission strategy
- Improved deployment pipeline in Jenkins to facilitate rapid deployments for different tenants which resulted in 20% faster shipping times

YourMD.ca (a startup in healthcare sector)

Software Engineer (Full Stack)

Toronto
Oct. 2019 to Oct. 2021

- Developed and implemented:
 - the end-to-end system / api design of the healthcare app from inception
 - data modelling to satisfy business logic and application needs
 - the landing zone for the application in AWS (account structure & billing, networking, security, monitoring and data protection features)
 - the back end and database layer of the application with NodeJs / Express / TypeScript, GraphQL API, MongoDB and PostgreSQL
 - the front end using react and redux
 - real time notification system using websocket connections
 - dual authorization based on user role (doctor / staff / patient) to protect API endpoints as well as DB collections where each collection had a different set of permissions to control CRUD interaction

Atelier Ten

Energy Analyst

San Francisco
June 2017 to Aug. 2019

- Whole building thermal energy modelling and performance analysis based on various code / client requirement
- Used python to develop scripting tools to assist the team with the daily workflow

Certifications

AWS Certified Developer - Associate

AWS Certified Solutions Architect - Associate

HashiCorp Certified: Terraform Associate

Contact

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🌐 <https://meet-anupam.github.io/>

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📍 No sponsorship needed in USA / Canada

in /in/anupam-raj/

🔗 anupamraj16

Skills

ARCHITECTURE: MicroService, Event Driven, Serverless, Monolithic

LANGUAGES: TypeScript, NodeJS, Python, Go

FRAMEWORKS: Express, NestJS, NextJS, React / Redux, RxJS, Django, Gin, Socket.io

DATABASES: MongoDB, PostgreSQL, Redis, DynamoDB, RDS

AWS CLOUD: IaC (Terraform), Lambda, API Gateway, S3, SQS, SNS, EventBridge, IAM, EC2, CloudWatch, Cognito, ECS, EKS

MESSAGE BROKERS: RabbitMQ, Kafka, NATS

CONTAINERIZATION AND ORCHESTRATION:

Docker, Kubernetes, Skaffold, Helm

API: REST, GraphQL, SOAP, WebSockets, Webhooks, gRPC

CI/CD PIPELINE: Github Actions, Jenkins, Travis

OBSERVABILITY & MONITORING: AppDynamics, Grafana, Dynatrace, Datadog, Prometheus, Graylog

TESTING: API Testing (Supertest), Automation Testing (Puppeteer), Contract Testing (Pact / Pactflow), Jest, Pytest, Performance Testing (Apache JMeter / Locust / BlazeMeter)

OTHER TOOLS: Swagger, Apache Avro, Protocol Buffers (Protobuf)

Education

Arizona State University, Tempe, USA
M.S. in Built Environment 2017

Malaviya National Institute of Technology, Jaipur, India
B.Tech. in Mechanical Engineering 2010