

JAINAL GOSALIYA

617-202-1265 | gosaliya.j@northeastern.edu | github.com/jainal09 | linkedin.com/in/jainal09 | Boston, MA

As a skilled full-stack software engineer, I excel at solving complex real-world problems and building scalable, reliable systems. I am seeking Co-op/Internships for Summer/Fall 2023 to enhance my skills & contribute to innovative projects.

EDUCATION

Northeastern University, Boston, MA

Master's of Science in Software Engineering Systems

September 2022 - Expected May 2024

GPA: 4.0/4.0

Gujarat Technological University, Ahmedabad, India

Bachelor of Engineering in Computer Science & Engineering

June 2017 – June 2021

GPA: 9.15/10.0

Related Courses: Object Oriented Programming, Web Development, Database Systems, AI, Data Structures & Algorithms

EXPERIENCE

Software Development Engineer

[ActiveBuildings](#)

August 2021 - July 2022

Mumbai, India

- Designed real-time architecture employing **Node, Express, Prisma, MySQL, Redis, Docker, & AWS EC2** to process data from IoT edge sensors resulting in a streamlined and resilient backend system with a 25% reduction in processing time
- Developed real-time data visualization using **React.js** to present processed data points from the backend systems
- Implemented a global [multi-tenant platform](#) with **AWS Lambda, SNS, and NodeJS** for managing and configuring IoT sensors with RBAC, resulting in a 40% decrease in support requests saving significant time & support resources

Software Development Intern

[Glib.ai](#)

February 2021 - August 2021

Ahmedabad, India

- Built full-stack components for a [financial report automation](#) product operated by banks and investment organizations
- Orchestrated **Poetry, Flake8, Docker & Kubernetes** for Continuous Integration & Deployment Pipelines over **AWS**
- Engineered micro-services embracing **Django Rest, Fast API & PostgreSQL** yielding **P75** requests 35% latency decrease
- Boosted background processing by 27% through async message queue workers leveraging Python Celery & Rabbit MQ

Software Engineering Intern

[CodeMastr Apps](#)

June 2019 - August 2019

Vadodara, India

- Improved [cloud-drive product](#) reliability by 20%, integrating a pub-sub model with the distributed systems architecture
- Transformed search experience utilizing **Elastic Search & MongoDB** which resulted in a 40% increase in search accuracy

SKILLS

Languages: Python | Java | C# | JavaScript | SQL | C++

Frameworks & Tools: Git | AWS | GCP | Azure | React | Node | Express | Django | Flask | Fast API | Kafka | Docker | Kubernetes | GitHub Action | Elastic Search | Jenkins | Jira | Selenium | Jest | flake8 | Webpack

Databases: SQL Server | MySQL | MongoDB | PostgreSQL | SQLite | Redis | Cosmos DB | Firebase

PROJECTS

Atris [Startup Project] (Django, Cosmos DB, Redis, Next.JS, Azure, Vercel)

[Awards] [Website] [GitHub]

- Founded Atris, a project turned startup that enhances personal knowledge base management through innovative Ai
- Led development of backend micro-services using **Django, Cosmos DB, and Redis** ensuring a highly scalable & robust backend with accurate speech recognition & optimized speech processing harnessing **Nvidia NeMo & Azure DSVM**
- Awarded ₹165K SSIP seed grant from the Government of India & won the best startup from the city at GTU Startup Day

Semantic Neural Search [Research Project] (Docker, Kafka, Mongo DB, Elastic Search) [Publication] [GitHub]

- Researched & innovated an efficient pipeline-based architecture for digital media retrieval and searching using deep learning methods in which users can search indexed data utilizing semantic neural search on text, audio, image & faces
- Published a research paper on this architecture for [ICCB 2021 Computer Networks, Big Data, and IoT conference](#)