

# Anagh Mehran

anagh07@gmail.com ▪ anaghmehran.netlify.app ▪ github.com/anagh07

## INTRODUCTION

Versatile Full Stack Developer with Oracle certification and proven expertise in Full-Stack Development, DevOps practices, and Agile team leadership, leveraging over 3 years of experience.

## EXPERIENCE

### Backend Developer Lead (Contract)

Vosyn Inc.

September 2024 – Present

(Remote) Etobicoke, ON

- Led and mentored a team of 15 developers in a fast-paced startup environment, driving rapid iteration and innovation. Provided hands-on technical guidance, comprehensive code reviews, and pull request assessments to accelerate professional growth and maintain high code quality.
- Built a **CI/CD** pipeline using **GitHub Actions** with **self-hosted runners** on **GCP Compute Engine** that allowed automatic test execution, lint checks, and deployments. This improved workflow efficiency by 10% and enabled the team to push features to production at startup speed.
- Developed and deployed a serverless solution leveraging **Cron jobs**, **GCP Cloud Scheduler API**, and **Cloud Run** functions to manage the lifecycle of Compute Engine instances, minimizing cloud resource consumption and **saving \$1600+ annually**.
- Collaborated closely with Product Owners, UI/UX Designers and QA Engineers to define and refine product vision, ensuring quick pivots and adaptability in response to evolving business needs and strategic direction from leadership.
- Develop and maintain server-side components and **APIs** using **Python**, Django, PostgreSQL and Django REST Framework by collaborating with front-end developers to integrate user facing elements with server-side logic.
- Led a team in developing a robust video-on-demand pipeline using **Google Cloud Run** Functions, **Storage Buckets**, and Compute Engine. Oversaw development and contributed to coding efforts, optimizing real-time video processing with **React**, **JavaScript**, **ffmpeg**, **MP4Box**, and **DASH** streaming technologies for seamless playback.
- Led the containerization of backend applications and services using **Docker** and Docker Compose, reducing environment-related deployment issues by 70% and accelerating development cycles by 15%
- Setup and implemented code **linter** using **Ruff** and a pre-commit script that enforces code styling and quality rules improving code consistency and quality across the repository by fixing **1855 errors and issues**.

### Full Stack Developer

OneDesk Software Inc.

May 2022 – June 2023

Montreal, QC

- Analyzed user requirement documents and information and determined the plan and design for new APIs & backend solutions.
- Extended the SaaS micro-services platform by adding RESTful API endpoints using **Java**, **Spring Boot**, Hibernate and **PostgreSQL** to facilitate efficient data exchange between the user-interface and back-end services.
- Designed and built a dashboard for creating, viewing and editing custom ticket rules using **React** and TypeScript improving user satisfaction by 20% among concerned users.
- Wrote reusable unit tests using JUnit that ensured quality and efficiency by detecting bugs during development stage and reduced number of bugs reported in QA stage by 30%.

### Software Test Engineer

Torpedo Labs Inc.

January 2019 – September 2019

(Remote) San Francisco, CA, USA

- Tested and verified RESTful API endpoints using Postman to ensure that the response data meets the Software Requirement and Design documentation.
- Wrote test reports, and used **Jira** to document investigated issues while communicating with the development team to ensure product meets quality requirements before release schedule.
- Performed regular sanity tests, smoke tests & regression tests and ensured that the product met expected behaviour.

## EDUCATION

### Master of Engineering (MEng) in Software Engineering

Concordia University

January 2021 – August 2022

Montreal, QC, Canada

### Graduate Diploma (GrDip) in Computer Science

Concordia University

September 2019 – August 2020

Montreal, QC, Canada

### Bachelor of Science (BSc) in Electrical Engineering

Islamic University of Technology

January 2015 – November 2018

Dhaka, Bangladesh

## CERTIFICATIONS

### Oracle Certified Associate, Java SE 8 Programmer

Credential link: [eCertificate](#), Credential ID: 3123026310CAJSE8

July 1, 2024

## PROJECTS

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### Live Auctions Platform

Demo: [youtube](#) | GitHub: [link](#)

Live Auctions, is a web application where users can conduct their own auctions by listing ads and scheduling their own auctions to sell personal items in real time. They can also bid on items listed by others.

- Implemented real-time notifications and bidirectional communication using WebSockets (**Socket.io**).
- Created REST API service using **Node.js**, **Express** and **MongoDB** and stored static assets (image files) using **AWS S3 service**.
- Created **API documentation** following the open-API standards using **swagger**.
- Designed a mobile friendly, minimalist user interface using **React** and **Material-UI**.
- Currently working on containerizing the backend using **Docker** and moving to a **microservice architecture** to increase scalability. Future plan to implement a payment microservice using Stripe.

## OPEN-SOURCE CONTRIBUTIONS

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### Apache Fury

GitHub: [link](#)

- Contributed to Apache Fury open-source code repository on GitHub.
- Refactored String utility module by editing 267 lines of code and successfully reduced coupling.
- Submitted pull request following contribution guidelines and successfully merged the changes to the repository.

## SKILLS

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**Programming Languages:** Java, JavaScript, Python, SQL, HTML, CSS, Json, Bash

**Frameworks:** Node.js, React, Spring, Spring Boot, Django, Django DRF, Hibernate, Git, GitHub, SaaS, Redux, Electron

**Cloud, Testing and Database:** AWS EC2 S3 IAM, Docker, Kubernetes, MySQL, Postgres, MongoDB, Postman, Jira, GitHub Actions, Google Cloud, Cloud Compute Engine, Cloud DNS, Cloud Scheduler API

**Others:** Object Oriented Design, API Development, Agile Methodology, Scrum, Test Driven Development (TDD), Linux, Ubuntu, Debian

## EXTRACURRICULAR WORK

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### Graduate Students' Association, Concordia University

October 2021 – December 2021

Chief Electoral Officer

Montreal, QC

- Conducted a fair election to elect student representative for the associations administrative panel.
- Managed and supervised a team of electoral officers and volunteers to ensure smooth election procedure.
- Documented election results, financials and reports and presented it to the university authority.