

# Kasra Aminiyeeganeh

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## EDUCATION

**CONCORDIA UNIVERSITY**  
**M.Sc. IN COMPUTER ENGINEERING**  
2023/01 | Montreal, CA

## LINKS

Github:// [ThaKay](#)  
LinkedIn:// [Kasra Aminiyeeganeh](#)  
Twitter:// [@Thekayquality](#)

## COURSEWORK

### GRADUATE

Cloud Computing  
Model Driven Development  
Advanced Software Engineering  
IoT Networks  
(Research Asst. & Teaching Asst.)  
Programming Methodology  
Real-time Operating Systems  
Data Structures And Algorithms

### UNDERGRADUATE

Information Retrieval  
Operating Systems  
Artificial Intelligence + Practicum  
Algorithms and Data Structures  
Game Development + Practicum  
(Research Asst. & Teaching Asst.)  
Embedded Systems  
Design and Analysis of Databases  
Software Engineering

## SKILLS

### PROGRAMMING

Over 10,000 lines:  
Java • Shell/Bash • Python • JavaScript •  
SQL • C • C++ • HTML/CSS •  $\text{\LaTeX}$

### SOFTWARE

Scrum • SDLC • Unit Testing/TDD •  
System Design • Object-Oriented •  
Design Patterns • Containerization •  
Microservices • Cloud Native • CI/CD •  
Infrastructure as Code (IaC) • Serverless  
• RESTful API design • RDBMS • NoSQL

### TECHNOLOGIES

Amazon Web Services (AWS) • Linux •  
Docker • PostgreSQL • Kubernetes (K8s) •  
Terraform • Jenkins • Version Control  
(Git) • Unix • Redis • MongoDB

## ABOUT

I have delivered software solutions efficiently and professionally for 4 years. I have developed a wide array of apps, from old-school client-server apps using the LAMP stack to the latest serverless, microservice-based cloud native ones built on top of k8s and Docker. Went down the path of managing and deploying applications across various environments, employing techniques like load balancing, auto-scaling, and fault tolerance to guarantee optimal performance, scalability, and high availability. Luckily as a by-product I have honed my ability to smell the code and groom the backlog!

## EXPERIENCE

### NATIVE TOUCH | SOFTWARE ENGINEER, FULL-TIME

Jan 2023 – Present | Montreal, Canada

- Developed Python, Node.js, and reviewed code using the Reviewable tool.
- Extended and maintained different parts of the SDK and API to handle advertisement big data pipelines within a fully serverless architecture.
- Utilized Docker and K8s for managing various microservices on the AWS EKS.
- Incorporated CI/CD pipelines using Jenkins, multi-environment deployment, and canary testing.
- Used Terraform and Ansible for creating and destroying resources on AWS.

### DIGIPAY | BACK-END ENGINEER, PART-TIME

Jan 2020 – June 2021 | Tehran, Iran

- Dockerized the Tap Payment solution to be integrated as a microservice within the company's digital wallet app.
- Developed RESTful API routes using Python-Django and improved backend by utilizing SOLID principles and Redis for caching as part of an Agile Scrum team, resulting in a 15% increase in customer payment satisfaction.
- Implemented Unit tests with Pytest for the Back-end system to increase deployment speed by 20%.

### OMANTEL | NETWORK ENGINEER, INTERN

July 2019 – Aug 2019 | Muscat, Oman

- Participated in the Design and maintenance of data-intensive networks and IT infrastructure with over 1M users.
- Practiced Distributed Systems concepts such as Caching and CDNs in a highly-scaled business.

## PROJECTS

### FITNESS SUPER-APP | TEAM-LEAD & BACK-END DEVELOPER

July 2019 – Aug 2019 | Muscat, Oman

- Led a team of 4 to develop a cross-platform mobile super application MVP in 5 months, practicing Scrum.
- Employed React Native and Python Django to enable users to register in local gyms, receive training and diet plans by connecting them to a coach, and access correct exercise moves.
- Integrated Google Maps to display gym locations and monthly plan costs.
- Incorporated persistent data storage using RESTful APIs to enable cloud-based data storage.
- Leveraged caching for recently accessed training moves.
- Utilized technologies: RESTful APIs, Django, Design Pattern, Git, PostgreSQL, Docker, Redis, Google Map API, and AWS cloud.