Ammar Fatehi

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EDUCATION

The University of Texas at Austin

BS Electrical and Computer Engineering | GPA: 3.45/4.00　　　　　　　　　　　*Aug. 2019 – May 2023*

Relevant Coursework:　　Algorithms, Data Structures, Software Design, Data Science, Operating Systems

TECHNICAL SKILLS

Languages:	Java, Python, Golang, C/C++, TypeScript, JavaScript, SQL (Postgres)
Technologies:	React, Node.js, Express.js, MongoDB, Git, AWS, Google Cloud, Conductor
Certification:	AWS Cloud Practitioner, Python Specialization by UMichigan

EXPERIENCE

Amazon | *Incoming Software Engineering Intern*　　　　　　　　　　　　　　　Aug 2022 – Nov 2022
- Working in Consumer organization on the Payments Team.

Expedia Group | *Software Engineering Intern*　　　　　　　　　　　　　　　May 2022 – Current
- Working on the Marketing Data Engineering team doing Data engineering using Java, Scala, and Kafka.
- Ingested data from disparate sources using SQL and Google Analytics API to construct data views for BI tools.
- Designing and Implementing a cloud first data ingesting pipeline that ingest transactional and event data from multiple sources into one base table.

Tesla | *Software Engineering Intern*　　　　　　　　　　　　　　　　　Aug 2021 – Jan 2022
- Developed multiple microservices using Golang used by all email & text communication Tesla has with customers.
- Created a tree structure for folder management to shrink multiple DB queries into one reducing runtime by 60%.
- Solved a conductor race condition issue by developing a script to delete duplicate indexes in mongoDB tables.
- Developed multiple swagger pages for efficient endpoint testing and compliance with security team.

JP Morgan Chase & Co. | *Software Engineering Intern*　　　　　　　　　　　Jun 2021 – Aug 2021
- Created an application to be used by the Operations team to help track and improve trade speeds.
- Developed multiple microservices using Spring Boot with 10 endpoints for flexible data search and transfer.
- Implemented frontend with React.js and provided features to search for events from backend, list information in a table, view and edit events, and reprocess said events to keep transactions flowing and help people pinpoint issues.

HiPR Innovation | *Software Engineering Intern*　　　　　　　　　　　　　May 2021 – July 2021
- Developed HiPR's healthcare portal using React and Next.js which aggregates medical data for physicians.
- Utilized AWS lambdas to build and maintain serverless APIs to support web and mobile applications.
- Redesigned HiPR's website frontend using Tailwind CSS and Typescript.

Instok | *Software Engineering Intern*　　　　　　　　　　　　　　　　Sept 2020 – Dec 2020
- Created a customer notification system using Python and MongoDB streams.
- Utilized Node.js within a MERN stack to display product status on Instok website.
- Designed and created a landing page using React Hooks that serves 10,000+ monthly users.

PROJECTS

Fog | *Flask, MongoDB, React, Next.js, GCP*
- Developed a MVP for a functioning HaaS system to facilitate the exchange and billing of hardware resources.
- Implemented a Flask API to interface MongoDB and store encrypted user and project information.
- Managed a team of 5 and wrote specific system requirements to address user, resource, and data management.

DevHub | *JavaScript, MongoDB, React, Redux, Express.js, Node.js*
- Engineered a social media website where developers can connect with each other and get hired.
- Created 10 Rest API endpoints using Express and implemented JWT protocol to secure private routes to interact with a MongoDB database allowing users to create profiles and participate in forum discussions.

NutriApp | *JavaScript, React Native, Python, Flask, GCP*
- Created a mobile app that allows users to take a picture of food labels and receive ingredients information.
- Developed the back-end in Flask and store user data into an Azure SQL database.

Trading Brokerage | *Python, Flask, SQLAlchemy*
- Engineered a paper trading brokerage API with a server client interface for an Algorithmic trading competition.
- Implemented a Flask REST API to allow users to trade stocks and keep track of their portfolio.