Payam **Yektamaram**

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Education

Candidate, Honours Bachelor of Science

September 2018 – Present

University of Toronto Scarborough

Computer Science Co-op Program – Comprehensive Stream, 4th year

CGPA: 3.88/4.00

Awards:

- UofT Entrance Scholarship ($2000)
- UofT Deans List

Certifications

Focus on Information Technology (FIT) – Software Design and Development, *Issued June 2018*

Focus on Information Technology (FIT) - Network Systems and Operations, *Issued June 2018*

Cisco It Essentials, *Issued June 2018*

Technical Skills

Languages: Python 3, Java, JavaScript, C, React, HTML, CSS, SASS, Haskell

Database Management: SQL, PostGres, DocumentDB, MongoDB, Neo4J, SQLite

DevOps: Docker, Amazon Web Services, Digital Ocean, Rancher Kubernetes Management

Algorithm Techniques: Greedy, Divide & Conquer, Dynamic Programming

Data Structures: JSON, Queues, Heaps, Trees, Dictionaries, Linked Lists, Graphs

Tools: Eclipse IDE, Git, SVN, Maven, Gradle, Dagger 2, Travis C.I, UML, Javadoc, Swagger UI, Storybook

Work Experience

Systems Developer | MPAC | Jan 2020 – Dec 2020 (12 mos) | Python, Sanic, React, JavaScript, DocumentDB

- Lead programmer for creation of backend microservice called *Lookup Service* that aimed to streamline business data through the development of a Python async server through Sanic to serve a RESTFUL API
- Lead programmer for creation of frontend interface for *Lookup Service* through JavaScript framework React with Redux as state management
- Wrote and maintained a robust unit testing module for *Lookup Service* with over 300+ tests that covered 93% of the code
- Fully secured both backend and frontend for the *Lookup Service* with proper authentication and authorization through JSON Web Tokens
- Stored and maintained *Lookup Service* user data through AWS documentDB and developed CRUD REST endpoints for clients
- Deployed frontend and backend systems for *Lookup Service* using Docker and orchestrated Kubernetes management on Rancher
- Configured and maintained DNS for containers for dev, qas, uat, and production environments
- Worked on a frontend rapid prototype of a new concept for the future of MPAC's business workflow which was well received by business executives and other teams
- Developed systems using the agile methodology having two-week sprints, daily stand-ups, sprint planning and retrospective meetings

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Projects

SupremeCarRentals | May 2019 – Present | Java, SQLite, Maven, Travis C.I, Javadoc, Git

- Created a car rental application (SupremeCarRentals) that can be used by any car rental company to create rental reservations, store customer information, and create a printable PDF invoice with a complete pricing breakdown

Remote File Transfer Server | August 2019 | C

- Created a remote file transfer server over Internet domain stream sockets such that a client could request a file by name from the server, the server will send it (if possible), and then the client would save it

Food Network Analysis | March 2019 – April 2019 | C, Graphs, Recursion

- Given a graph of food ingredients and their encoded relationships an application was created that would take an array of food ingredients, known as a recipe, and an ingredient that needed to be omitted from the recipe and find its most suitable replacement

Twitter Data Analysis | November 2018 - December 2018 | Python 3

- Given a text file of twitter data a script was created that would first read the data into a dictionary and then could determine the most likely author of an anonymous tweet based on the hashtags that had been used

Volunteer Experience

Youth Hub Volunteer

Toronto Public Library, Toronto, Ontario

August 2016 - March 2017

- Assisted Youth Hub attendees aged 10 – 18 years old with school-work by explaining troubling concepts to ensure success in academics
- Coordinated program events aimed at children 8 to 12 years old to increase Youth Hub member participation
- Lead the summer Lego Club program every week for two hours for up to five children aged 8 to 12 years old to improve cognitive and motor skills