Prateek Tailor

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EXPERIENCE

CITI | Software Development Analyst
July 2021 − Present | Mississauga, ON

- Streamlined Business Analyst's data visualization workflows by 90% by developing a financial reporting dashboard using Java, React, and Tableau to gather real-time Citi metrics and build charts and graphs.
- Implemented microservice using Spring Boot to handle user permissions to render specialized views of the dashboard based on user's team and organization to hide confidential market data.

AMD (ADVANCED MICRO DEVICES) | Software Development Engineer, Intern
October 2020 − June 2021 | Markham, ON

- Took ownership of full-stack project to develop and maintain internal web dashboard to remotely test the Mac product line with AMD hardware and drivers using Vue and Node.js, expediting team's smoke testing by 80%.
- Decreased manually testing time by 98% by developing an automation client in Python to queue up tests received by web application to asynchronously run, and report results back to internal SQL database for further processing.
- Led team-wide migration to enterprise GitHub, increasing version control scope to all internally developed tools.
- Implemented CI/CD pipeline using scripts to build and deploy changes to production web and remote client, ensuring the team is using the latest builds for automation tools.

JUPIO LABS | Software Engineer, Intern
September 2018 − Jan 2019 | Toronto, ON

- Reduced development time of subsequent projects by 50% by assessing components which could be used in other projects and developing reusable and functional React components.
- Increased site usage for clients by 80% by using UI mockups of desktop, tablet and mobile views and developing in a "mobile first" approach to build extremely responsive React applications which work on all devices.

EDUCATION

YORK UNIVERSITY | BSc. Computer Science
September 2016 − May 2021 | Toronto, ON
Relevant Courses: Algorithms, Data Structures, Operating Systems, Software Design, Big Data Analytics, Data Mining.

PROJECTS

Portfolio Manager

- Developed a portfolio manager that could interface with 3rd party services to create a centralized dashboard view of a user's investments and bank accounts.
- Developed backend API using Java Spring Boot and a relational database to hold transactional and account data.
- Utilized: Spring Boot, Angular, TypeScript, Python, Jenkins, OpenShift Kubernetes.

Discord − Minecraft Chat Relay

- Developed a Chatbot using Python to cross communicate between a Minecraft server and Discord channel.
- Implemented using Threading library to create listener for server log files to run as a daemon.
- Maintained using a series of Bash scripts for health and server checks, GNU Screen and Cron to run Minecraft server and Discord bot at once on Azure VM.
- Utilized: Python, Discord.py, Bash, Cron, Screen, Azure VM.

Digital Camera Images Importer

- Built a command-line interface to copy and organize JPEG & RAW images to a destination using image metadata.
- Optimized sorting using image metadata to essentially provide $O(N)$ time complexity using bucket sort.
- Utilized: Golang, IO and OS libraries.

TECHNICAL SKILLS

LANGUAGES

- Java, Golang, Python, Bash, HTML/CSS, JavaScript, SQL, C, TypeScript.

TECHNOLOGIES

- GIT, Unix, Spring Boot, React, Node.js, Vue.js, MongoDB, NoSQL, AWS S3, EC2, Dynamo, Alexa, Azure.