Usman Zaheer

647-917-0453 | uzaheer.work@gmail.com | linkedin.com/in/usman-zaheer-pk | github.com/uz1pk

EDUCATION

University of Guelph   September 2020 – April 2024
Bachelor of Computing, Software Engineering   *Guelph, ON*
- Extracurriculars: Guelph Coding Community (GCC) and Society of Computing and Information Science (SOCIS)

EXPERIENCE

Palantir   May 2023 – August 2023
Software Engineer Intern   *New York City, NY*
- Joined Full stack Development on the product, Foundry (Java, Golang, Typescript)

University of Guelph   Jan 2023 – April 2023
Software Developer   *Guelph, ON*
- Worked with the Department of Molecular and Cellular Biology to create a native file processing app using Python, Electron, and JavaScript
- Automatically take research paper peer review results (Excel) and transform the data to be inputted into custom generated customer result summaries (PDF)
- The automation of this process allowed for a **700%** increase in data transferring workflows for users

ProNavigator   September 2022 – December 2022
Software Engineer Intern   *Kitchener, ON*
- Caught over **50+** possible issues before they reached customers by adding Amazon CloudWatch synthetic canaries written using Node.js, synthetics, and Puppeteer to monitor state of both front end and backend services
- **70%** increase in account management efficiency by developing an internal management tool using AWS Lambda functions/FastAPI to process auth and user account endpoints, served through a React application
- Created and performed both unit and integration tests for user management service endpoints, achieving over **75%** code coverage

TigerCat   May 2022 – August 2022
Software Developer Intern   *Cambridge, ON*
- Created the **first** proprietary electric control system parsing SDK for developers across the industry. Utilized graph traversal algorithms to allow for maximum efficiency when performing operations while also memoizing results, all achieved using C#/.NET
- Developed a native Windows app to allow for **100+** engineers to share, validate, and export electric control system files in 3 different formats built by utilizing .NET Framework, Windows Forms, and my SDK
- Achieved **80%** faster file processing speeds by introducing multi-threading and parallelism into the file diagnostics desktop application
- Architected backend service which utilized a **k-d tree** ADT to serve details about customer global machine data

PROJECTS

Computing Chat | *Flask, PostgreSQL, Heroku, JavaScript*
- Engineered a messaging app for computer science students which has **50+** registered users, being powered by Flask

Shrinkly | *Go, React, PostgreSQL, Docker*
- Constructed a Go REST API consumed by a React web app to provide a fast and reliable URL shortening product

Social Platform API | *.NET, Azure, Docker, Microsoft SQL Server*
- Deployed a web service using .NET/C# to manage accounts and posts for upcoming social media projects. App has over **300+** posts uploaded, alongside 20+ registered accounts since deployment

Portfolio | *React, TypeScript, Sass*
- Created a portfolio app which contains some information about me and my projects, fully deployed on Netlify

TECHNICAL SKILLS

Languages: Python, Golang, Java, C#, JavaScript, C, SQL, YAML, HTML/CSS
Technical Tools: AWS, Azure, GCP, .NET, FastAPI, Node.js, React, Electron, Docker, MySQL, Postgres, Flask, Redis