Priyansh Shah

Software Developer

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EXPERIENCE

GENERAL DYNAMICS MISSION SYSTEMS - CANADA | SOFTWARE ENGINEER CO-OP

September 2020 – August 2021 | Ottawa, ON

- ➔ Contributed to the design, development, and delivery of the mission software on-board the CP-140 Aurora long-range patrol aircraft operated by the Royal Canadian Air Force.
- ➔ Applied an acceptance test-driven development approach to contribute to all parts of the software development process, including testing software features for the product in an **agile** development team.
- ➔ Researched methods to speed up the software build process in addition to automating tedious parts of the developer process.
- ➔ Reduced **Robot** test failure rate by approximately 40%. Wrote automated acceptance, integration, and regression tests and assisted in maintenance of a suite of over 4300 tests with **Jenkins** pipelines.
- ➔ Designed, created, and deployed an internal web application to remotely toggle hardware power switches on **Kubernetes**. Created with **Angular** using **SNMP**.

MCMASTER SOFTWARE ENGINEERING SOCIETY | VP EVENTS/MARKETING

April 2020 – Present | Hamilton, ON

- ➔ Organized events for students enrolled in Software Engineering.
- ➔ Dealt with logistical and personnel issues to create experiences to enhance student lifestyle.
- ➔ Gauged community interest in ideas to ensure events were enjoyable.
- ➔ Created marketing graphics and promoted events to ensure reach and student turnout.

PROJECTS

INTERVR | C#, OCULUS SDK, IBM WATSON

2020 | Github, Devpost

- ➔ Created a **VR** application that helps users prepare for interview-like scenarios.
- ➔ Written in **C#** and used **Unity** to create the VR environment with **Oculus** Rift.
- ➔ Provided real-time feedback and statistics using **IBM Watson** speech recognition API.

CARGO NO-GO | C#, PYTHON, MATLAB

2019 | Github, Devpost

- ➔ Built a program with a small team that consisted of a GUI, simulator and data parser that automated truck theft detection for trucking company Canada Cartage.
- ➔ Utilized **MATLAB** and **Python** to process, plot and update large amounts of data and **C#** to create a functional and clean user interface.

MEATUPS | ANDROID, JAVA, GOOGLE MAPS

2018 | Github, Devpost

- ➔ Created an **Android** application that allows users to meet each other based on their food preferences.
- ➔ Developed in **Android Studio** using **Google Maps API**, **Java** and **XML**.
- ➔ Application website created with **HTML** and **CSS**.

SKILLS

PROGRAMMING

Proficient:
C# • C • Python • Java • HTML • CSS • Ada

Experienced:
Shell • LATEX• JavaScript • TypeScript

Familiar:
Go • SQL • Assembly (NASM)

LIBRARIES/FRAMEWORKS

Angular • Robot • Unity • SNMP • .NET

TOOLS/PLATFORMS

Git • Unix • Docker • Kubernetes • Jenkins • Android Studio • MATLAB • Autodesk Inventor

APIS

Discord.net • Google Maps • Fitbit • Oculus • IBM Watson

EDUCATION

MCMASTER UNIVERSITY

BACHELOR'S IN SOFTWARE ENGINEERING

April 2023 | Hamilton, ON
Computing and Software
Cum. GPA: 3.7 / 4.0

- ➔ Enrolled in the Software Engineering Co-op program.
- ➔ On the dean's list for maintaining a grade-point average above 9.5 on a 12-point scale.
- ➔ Awarded the McMaster Entrance Scholarship for having a grade-point average over 90% in high school.