NAUSHER
RAO

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EXPERIENCE / PROJECTS

Magnet Forensics
Sept 2021 - Dec 2021

Software Developer

- Worked on the STS (Systems, Tools, and Software) Team; personally ensured that tools and stack were active and online daily to be used by the different Engineering departments we had, such as Jenkins, PRTG, Azure DevOps, Jira, and the 100's of machines in our build-farm.
- Mainly worked on the Build Dashboard, adding new features to help others perform tests and case-evaluations for products deployed on the field. This was mainly with JavaScript (React & Redux) and C# (ASP .NET & SignalR), for 100+ Engineering employees to be used daily.

Wilfrid Laurier University
Sept 2020 - Present

Instructional Teaching Assistant

- Responsible for teaching students Python and ARMv7 through weekly 5 hour sessions for an average attendance of 60 students per session.
- Proctored students during online midterms through Zoom for 2.5 hours per midterm for about 200 students.

Freelance Development
Apr 2012 - Present

Fullstack Development

- Wrote software for different clients through a variety of online platforms for an estimated 80 clients.
- Specialised in creating modifications and additions for game servers with 750 - 50k players per playerbase.
- Kept track of client invoices to organise start dates, payment dates, and deadlines.

Laurier Computing Society
Mar 2021 - Present

President

- Responsible for leading departments involved with communications, corporate outreach, finance, events, and marketing, with a team size of 40 people.
- Used Kanban and Agile methodologies for tracking team progress and facilitating collaboration on regular events and iniatives.

Computing Councils of Canada
Oct 2020 - Present

Director of Systems Administration

- Ensured that the website, Discord bot, and other internal and external team infrastructure was always active and ready to be used. These used Wordpress, AWS, and Discord.js.
- Conducted other miscellaneous tasks, such as managing coorporate accounts through Discord, email, and Slack, with organisations such as DCL, IBM, RUHacks, and Lighthouse Labs.

EDUCATION

Honours BSc Computer Science (Co-op)
Wilfrid Laurier University
2019 - 2023

Applied Mathematics Option
Wilfrid Laurier University
2019 - 2023

TECHNICAL SKILLS

Languages & Frameworks

- **Javascript**
  - Router
  - Redux
  - Bootstrap
  - Chart.js
  - D3.js
  - Discord.js

- **Java (6-15)**
  - LWJGL (OpenGL, OpenAL)
  - LibGDX (LWJGL)
  - Android Studio / SDK
  - Java Discord API

- **Python**
  - Discord.py
  - NumPy
  - Matplotlib
  - Pygame

- **C#**
  - ASP .NET
  - SignalR

- **C/C++**
- **Kotlin**

Tools
Git, Jenkins, Maven, Gradle, Docker, Jira, Trello, Notion, PRTG

Platforms / Cloud
Unity Game Engine, Unreal Engine 4, AWS, Azure, Firebase, Github, Gitlab

Databases
MongoDB, MySQL, MariaDB, Redis

EXPERIENCE / PROJECTS

HawkHacks
Feb 2021 - Present

Founder & President

- Managed a team of 20+ executives to run a hackathon with up to 750 annual participants.
- Applied a Project-Management based approach with Kanban to ensure that all departments were working concurrently on their respective goals and targets.

Kyle Kashuv
Dec 2020 - July 2021

Personal & Podcasting Website

- Designed and developed a website for local politician Kyle Kashuv using WordPress, JavaScript, PHP, CSS, HTML, and JQuery for his audience of 300,000.
- Implemented SEO strategies which increased search clickthrough by 40%.
- Managed an ad campaign using Googles Ad platform which increased viewership by 25%.

sadbois clothing.
Mar 2021 - Present

Ecommerce Website

- Developed an ecommerce website for a local charitable start-up clothing company using WordPress and the Stripe Gateway.
- Responsible for optimising the deployment server, such as removing pre-installed but unused software packages and modifiying the Apache webserver environment so the budget could be kept as low as possible.

MuSpace
May 2021 - Aug 2021

Fullstack Website

- Created a social media platform that connects people based on their personal musical listening tastes.
- Responsible for managing and delegating tasks in a group of 12 people in an Agile environment, over the course of 4 months for a Software Engineering class.
- Created an outline for a React frontend, and ensured developers and UI designers were delegated specific pages and sections.
- Used the Spotify Web API with OAuth2 to authenticate users and load listening data and trends.
- Used Google Firebase for data storage, authentication, hosting, and CI/CD

SherBot
Sept 2021 - Present

Discord Bot Framework

- Developed a wrapper and framework for the Discord.js framework to make the creation of a new Discord bot quicker and easier.
- Removed the neccessity for boilerplate code by utilising the Node.js File System API to automatically load scripts and JavaScript files to be used for commands, event listeners, and embeds.
- Highly documented the project and created examples to ensure that developers have a friendly first-time experience.

HACKATHONS

RUHacks 2021
Chaterest - Discord bot that automates discussion moderation, and measures user interests.

HackTheNorth 2021
Kabo/KaraokeBot - Karaoke Discord bot for simulating karaoke with live pitch and lyrical correctness scoring using AI.

OpenHacks 2020
HomeStock - An Android App for a simplified house inventory system for the elderly.

PCHacks 2019
A desktop application that graphs trends and data for global diseases.

AWARDS

MIST Toronto 2019
2nd Place

ECOO 2018 & 2019
Top 35% and 15%

Waterloo CCC 2017 & 2018
Top 15% and Top 20%

Fingal Enterprise Awards
Top 10

HOBBIES

Music
Can play the electric guitar, acoustic guitar, bass guitar, and piano. Helps a lot with relaxation, and improves my ability to multi-task.

Others
Cooking, Video Games, Football, Photography