ALAQMAR GANDHI

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EXPERIENCE

Software Developer - Co-op   Sep. 2024 – Dec. 2024
Boltable Studio   *Abu Dhabi, United Arab Emirates (On-site)*
- Developed backend systems in **Express.js** retrieving and analysing data from 12+ games.
- Managed historical game analytic data using **MongoDB** and **JavaScript** for 400M+ visits.
- Containerized and optimized Docker builds for a full-stack website using **Docker.**
- Developed CI/CD pipelines utilizing **GitHub Actions** and **Portainer.**
- Contributed to frontend development of the website in **React** using the **Next.js** framework, serving 1k+ monthly visitors.

Software Developer - Full-time   *May 2024 - Aug. 2024*
- Developed Roblox experiences for 3+ brands using Roblox Studio and Roblox **Luau**
- Handled player data for 200M+ players using ProfileService, while complying with GDPR regulations.
- Implemented version control workflows for Roblox experiences using **Knit, Argon and Git**, used in 10+ experiences.
- Developed CI/CD pipelines for Roblox experiences utlizing **GitHub Actions** using the Roblox Open Cloud API.

Lua Programmer   Sep. 2023 – Feb. 2024
LandVault   *Canada (Remote)*
- Developed and implemented algorithms for **procedurally generated** mini-games.
- Developed **custom physics mechanics** to work with the Roblox game engine.
- Managed player data within the experience utilizing **ProfileService**

EXTRACURRICULARS

Brock Computer Science Club | *Angular (TypeScript, HTML, SCSS), Firestore, GitHub Pages*   Jun. 2020 – Present
- Developed a merhandise store for a static website utilizing **Stripe sessions API**, fulfilling 20+ orders.
- Contributed to the development of a static website written in **Angular**, serving 18k+ students.
- Utilized **FireStore** to save and access administrative configuration and event information data for 100+ events.

ByteNet | *Lua, Networking*   Jan. 2025 – Present
- Contributed to the development of ByteNet, a open source blazing fast Roblox networking library written in **Luau**.
- Contributed to the development of a **buffered networking** library to improve networking performance.
- Developed an understanding for **serialization** and its applications with improving networking performance.

International Collegiate Programming Contest | *Python, C++*   Oct. 2024
- Competed against 159 teams in the ICPC NA East Central region, placed **top 4** universities on the Windsor site.
- Collaborated in a team of 3 and **solved 8 of 12** competitive programming problems.
- Utilized **C++** to write time efficient solutions for limited runtime problems.

EDUCATION

Brock University   St. Catharines, ON
Bachelor of Science in Computer Science - Co-op (Honors)   *Sep. 2023 – Dec. 2027*
- Programming for Big Data (NumPy, pandas)
- Data Structures and Algorithms

TECHNICAL SKILLS

Languages: Java, Python, JavaScript/TypeScript, C/C++, HTML/CSS, Lua
Frameworks: React, Node.js, Next.js, Angular, Knit
Developer Tools: Git, Docker, VSCode, PyCharm, IntelliJ, Eclipse, Portainer, Harbor, Rojo/Argon
Libraries: pandas, NumPy, ProfileService, ByteNet