Justin Abuyuan

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TECHNICAL SKILLS

Languages: Python, C/C++, Java, Lua, HTML/CSS, JavaScript/TypeScript, Bash
Frameworks: Next.js, MongoDB, Express.js, React, Django, Tailwind, Flask, TensorFlow, PyTorch, OpenCV
Developer Tools: Git, VS Code, JetBrains IDEs, Altium, Blender, AWS

EXPERIENCE

Full Stack Engineer
Toronto, ON
Jitto
July. 2024 − present

- Designed the architecture and developed both the backend and frontend for a new customer orders history page, utilizing **AWS**, **Python**, and **TypeScript** to streamline DevOps processes, and lower cloud infrastructure costs by **13%**.
- Integrated and managed **AWS services**, including **Lambda**, **DynamoDB**, **API Gateway**, **CloudFront**, **CloudFormation**, and **S3**, to create a scalable and efficient backend infrastructure that supported seamless business operations and improved customer experience.
- Optimized a critical AWS Lambda function runtime by **76%**, reducing execution time from **2159ms to 510ms** by implementing projection expressions in DynamoDB queries and performing comprehensive code optimizations, leading to improved system efficiency and reduced operational costs.
- Refactored and optimized admin portal frontend by migrating to **Tailwind CSS**, reducing file size by **30%** and improving load times by **20%**, while streamlining component structure and cleaning up legacy code.

Technical Co-Lead
Kingston, ON
Queen's Google Developer Student Club
Sept. 2023 − Apr. 2024

- Co-led the technical team, directing the development of the club's website; successfully managed a team of 5 developers to deliver the project within the set timeline, resulting in a **20%** increase in online engagement.

PROJECTS

Path Pilot | *React, Express.js, Node.js, JavaScript, Twilio, Google Cloud*
- Built a web application for UTSC's Hack the Valley 8, securing a rank of **28th among 80 participating teams**.
- Integrated **Twilio API** to enable the application to send navigational directions to users via SMS, utilizing **Google Maps API** through an **Express.js** backend to source accurate and reliable directions.

Black Magic II: Phantom's Causatum | *Lua, Blender*
- Led a team of visual effects artists, sound designers, and model developers in the development of a successful ROBLOX game, attracting over **28.1 million** player visits and cultivating a community of more than **20,000 players**.
- Engineered **efficient** and **modular code** within a custom **Lua** framework, following **OOP principles** to develop robust and unique fighting game mechanics and content.

EDUCATION

University of Waterloo
Waterloo, ON
Bachelor of Engineering in Management Engineering
Sept. 2024 − Apr. 2029