LEMUEL PRANOTO
Computer Engineering Student

Seeking for a Full-Time job beginning August 2022

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PROJECTS & EXPERIENCES

Event-Manager App

📅 03/2021 ⓘ Personal Project

- Launched a serverless web-app that manages upcoming events hosted by the **AWS** platform using **React.js** for UI dynamism and **Node.js** for database manipulation.
- Integrated AWS serverless architecture consisting of Amazon S3 for storage, Amazon Cognito User Pool for identity and access management (IAM), Amazon DynamoDB for database and Lambda functions through Amazon API Gateway's **RESTful API** calls to communicate with the database.
- Incorporated **Axios** for **HTTP requests** and communication with the API.

CHAT'R

📅 09/2020 - 12/2020 ⓘ Personal Project

- Created an online **discussion forum** where users can create/join a server room for live private/group chat.
- Maintained server side and host client-side app handling with **Node.js**, utilized **Express.js** API for endpoints, established **WebSocket** servers as a message broker alongside **MongoDB** for database storage.

Land Monitor Mobile-App
KoroTU Technology

📅 09/2021 - Ongoing 📍 Vancouver, Canada ⓘ CAPSTONE Group Project

- Developing a hybrid **React Native** mobile-app that detects deforestation changes with a Land Use/Land Cover (LULC) classification model.
- Designed app UI using **Figma**, developed a fully functional user profile sign-in/sign-up feature, handled user-selected geographic coordinates for classified images retrieval over **HTTP requests** to a server hosted on **AWS**.
- Employed **Expo** for frontend app **CI/CD** in a fast-paced, agile environment.

Software Engineer
SeaHawk Robotics

📅 06/2021 - 08/2021 📍 Vancouver, Canada ⓘ Internship @ UBC's ELPC Program

- Designed and implemented an **FPV GUI** for a drone that is capable of launching and landing on water and land while carrying special payloads.
- Optimized live **video streams** by refining **latency** and **resolution** for multiple onboard cameras.
- Added **winch control** interface and modified existing **control firmware** to include depth feedback.

Summer Analyst (Software Engineer)
PT. Pinnacle Persada Investama

📅 04/2021 - 06/2021 📍 Jakarta, Indonesia ⓘ Internship

- Streamlined **Portfolio Management Summary** (PMS) database query time and established a new **server connection** for their new office location.
- Deployed an AWS **Lambda Function** GET request **REST API** endpoint that queries a **PostgreSQL** database and retrieve data based on the parameters set on the PMS mobile app.
- Engaged in PostgreSQL data manipulation with **SQL statements**.

Web Designer & Developer
PT. SuryaTITIA Makmur

📅 08/2019 - 12/2019 📍 Jakarta, Indonesia ⓘ Internship

- Designed and developed a fully responsive company **website**.
- Enhanced functionality and dynamism with **JavaScript** and **Bootstrap**.

EDUCATION

B.A.Sc | Computer Engineering
University of British Columbia

📅 2018 - 2022 📍 Vancouver, Canada

SKILLS

Programming Languages

| JavaScript | TypeScript | HTML | CSS | Java |
| C++ | C | Python | R | Verilog | ARM | x86 y86 |

Notable Technologies / Tools

Amazon Web Services (AWS) · Microsoft AZURE · Bootstrap · Node.js · React.js · Express.js · React Native · MongoDB · PostgreSQL · Git · Docker · Postman · OpenGL · Figma · Jira · Adobe Suite (Ps Pr Ae Lr) · Arduino · SoC FPGA

ACHIEVEMENTS & AWARDS

- 🎓 **2x Outstanding Student Scholarship**
  📅 02/2017, 02/2018 📍 Vancouver, Canada
- 🏅 **4x Honorable Mention (Term GPA > 3.7)**
  📅 08/2016 - 04/2018 📍 Vancouver, Canada
- ⚽ **Multiple School District Championships in Football and Basketball Competitions**
  📅 09/2012 - 05/2016 📍 Jakarta, Indonesia

LEADERSHIP & VOLUNTEERING

Student Council Vice-President
Sekolah Pelita Harapan
📅 08/2015 - 06/2016

- Represented the student body at school leadership/administration meetings and district events.
- Planned and organized school events and competitions.
- Worked with students in creating a better learning environment.

LANGUAGES

English, Bahasa Indonesia

PASSIONS

</> Programming 🏂 Snowboarding
📷 Photography & Film Making ⚽ Sports

LIFE PRINCIPLES

Integrity, Perseverance, Gratitude