

# Omar BaGunaid

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I excel in sketching, designing, coding, and building both web and native applications, witnessing successful outcomes that fuel my passion for solving real-world problems. I actively contribute to open source projects, making solutions accessible for others. My proficiency extends across diverse programming languages, including Python, (Nodejs TypeScript/JS), MySQL, Java, PHP, and more. I prioritize staying abreast of programming languages trends to remain well-prepared for evolving challenges.

## Work Experience

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### Full Stack Developer

Paphus Solution - Ottawa, ON  
2017 to 2023

- Developed modules based on design specifications and project delivery plans, using various programming languages such as Java, C#, Python, C, C++, HTML, XML, JSON, CSS, JavaScript, and jQuery.
- Conducted troubleshooting, debugging, and root cause analysis to fix defects and ensure the smooth operation of the software.
- Designed and implemented features using TensorFlow for image, video, audio, and object recognition, applying artificial intelligence (AI) techniques to build intelligent systems.
- Adhered to best practices by conducting initial research, project planning, product design, and writing and executing code that met industry standards and complied with coding conventions.
- Documented client requirements and provided high-level designs for proposed solutions that effectively resolved problems and improved performance, using architectural patterns such as Model-View-Controller (MVC) and Data Access Object (DAO) to organize code and make it more maintainable.
- Built a Python Flask framework feature that enabled users to easily upload files such as images and audios, train them using TensorFlow, and test them through a user-friendly web application interface.
- Worked with backend libraries such as Flask in Python and Servlet in Java to create dynamic web applications that interacted with databases such as SQL Server, MySQL, and PostgreSQL.
- Applied AI techniques to TensorFlow to develop intelligent systems such as image recognition, image object detection, audio recognition, text classification, and chatbots.
- I've developed a Python, PHP and Nodejs SDK that serves as a ported version of the Bot Libre's Java SDK. It enables seamless integration with a PHP, Python and (Nodejs Typescript/JS) applications, offering the capability to connect to Bot Libre, bots, send messages, and perform bot training and configuration tasks. It provides developers with an efficient way to work with the functionalities offered by the original Java SDK.

Overall, I have a strong background in software development and AI, with a diverse set of skills in programming languages, backend libraries, databases, and architectural patterns. I am passionate about building intelligent systems that can make a positive impact on people's lives, and I am excited to bring my skills and experience to a new role.

## Education

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### **Bachelor's Degree in Computer Science in Computer Science**

York University - North York, ON

September 2019 to April 2023

### **College diploma in Arts and Technology**

Secondary School in Computer Programming - Ottawa, ON

January 2015 to January 2018

## Skills

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- Vue.js (1 year)
- C# (1 year)
- APIs (3 years)
- Application development (2 years)
- LINUX (2 years)
- J2EE (2 years)
- bash & zsh (3 years)
- Express.js (2 years)
- CSS & SCSS (2 years)
- Web development (3 years)
- HTML5 (3 years)
- TypeScript (2 years)
- Java (3 years)
- SDKs (2 years)
- GitHub (2 years)
- MongoDB (Less than 1 year)
- Python (2 years)
- Angular (Less than 1 year)

## Links

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<http://omar0ali.github.io/portfolio>

<https://github.com/omar0ali>

<https://github.com/omarbajunaid>

<https://www.linkedin.com/in/omarbajunaid>