BRIAN CARLO **BAMBA**

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EDUCATION

Zuitt Learning Institute Inc.

Tech Career Program - Full Stack Web Development in JavaScript (MERN)
July 2024 – September 2024

Introduction to Object-Oriented Programming with JavaScript (Short Course)
October 2024

Advanced Object-Oriented Programming with JavaScript (Short Course)
October 2024

AWS Fundamentals (Short Course)
March 2025

AWS Serverless (Short Course)
March 2025

AWS Managed Services (Short Course)
April 2025

University of the Philippines

BA Applied Psychology
June 2013 - March 2017

SKILLS SUMMARY

Programming and Web Development

- **Front End Web Development**: HTML5, CSS3, Bootstrap, Wireframes and Mockups, Figma, Canva, Git and GitHub, Vercel, AWS S3

- **Back End Development**: JavaScript, Node.js, Express.js, MongoDB, Mongoose ODM, Postman, REST API, Render, AWS EC2

- **Full Stack Development**: React.js, JS DOM Manipulation, API Integration with Fetch, SDLC and Trello

PROJECT EXPERIENCE

Static Personal Portfolio

Capstone 1 Requirement for Zuitt Learning Institute, Inc.
Role: Zuitt Student (Front-end Developer)

This personal portfolio website is built with a mobile-first design, featuring a project gallery with custom CSS animations for a dynamic user experience. It emphasizes simplicity, easy navigation, and modern aesthetics using Bootstrap's grid system. Key features include hover animations, a functional contact form with validation, interactive social media icons, and clean typography, resulting in a polished, minimalist design.

Tools: HTML, CSS, Bootstrap, Git, Git Bash, GitHub

RESTful E-Commerce Workflow Management API

Capstone 2 Requirement for Zuitt Learning Institute, Inc.
Role: Zuitt Student (Back-end Developer)

Built a RESTful API for an e-commerce platform to manage user authentication, product CRUD operations, and order processing. Developed with Node.js, Express.js, and MongoDB, it features JWT authentication, Bcrypt password encryption, and database management with Mongoose ODM. Tested with Postman and deployed on AWS EC2.

Tools: JavaScript, Mongoose ODM, MongoDB, Express.js, Node.js, Postman, Git, Git Bash, Render

PROFESSIONAL EXPERIENCE

Photos Annotator and Evaluator

TELUS Digital AI Data Solutions
April 2024 – October 2024

- Annotated and labeled photos and videos from personal phone library, following detailed guidelines provided by TELUS Digital.
- Accurately labeled and categorized images and videos to ensure high-quality data for training machine learning models.
- Ensured precise classification and tagging of images to support AI and machine learning model development.
- Maintained consistency and attention to detail in annotations, adhering to project standards and instructions.
- Managed workload efficiently to meet project deadlines while maintaining high data integrity.
- Worked remotely, demonstrating the ability to complete tasks independently and with efficiency.

Production Personnel

Hylife Foods LP
April 2020 – September 2021

- Operated machinery and performed manual tasks to support pork processing and production.
- Maintained adherence to food safety, hygiene, and sanitation protocols in a regulated environment.
- Assisted in the efficient operation of production lines, ensuring quality standards were met.
- Worked collaboratively with team members to meet production quotas and ensure smooth workflow in a fast-paced environment.

Technical Support Representative

Topdata Global IT Solutions
February 2019 – October 2019

- Provided technical support through chat and email for resolving customer issues related to VPN software and network configurations.
- Diagnosed and troubleshot VPN connectivity problems, ensuring secure remote access for users.
- Managed a ticketing system to track and resolve customer inquiries, ensuring timely and efficient problem resolution.
- Collaborated with technical teams to escalate complex issues and provided feedback to improve customer experience.

Researcher/Website Content Editor
Hotelscombined Pty. Ltd. (www.hotelscombined.com)
May 2018 – February 2019

- Conducted research to gather relevant information for travel and accommodation listings.
- Edited and updated website content to ensure accurate, user-friendly information for customers.
- Collaborated with the content team to enhance website quality and optimize SEO.

PROJECT EXPERIENCE

Full-Stack E-commerce Platform (MERN)

Capstone 3 Requirement for Zuitt Learning Institute, Inc.
Role: Zuitt Student (Collaborator, Full-Stack Developer)

Created a fully functional e-commerce web application where users can browse products, register, log in, add items to a cart, and place orders. The front-end was built using React.js, providing a smooth user interface, while the back-end API handles product listings, user authentication, and order management. Integrated both the front-end and back-end, hosted on AWS, to demonstrate my full-stack development skills, including API integration and managing data flow between the client and server.

Tools: HTML, CSS, Bootstrap, JavaScript, Mongoose ODM, MongoDB, Express.js, React.js, Node.js, Postman, Git, Git Bash, Vercel

Airline Booking System

Side Project for Zuitt Learning Institute, Inc.
Role: Zuitt Student (Collaborator, Full-Stack Developer)

Worked on a proof-of-concept airline booking platform where users can search for flights, manage reservations, and securely handle payments. The platform includes a front-end user interface, built using modern web technologies, and a back-end with secure user authentication and booking management. This project was designed to demonstrate the integration of front-end and back-end services, focusing on data synchronization and user experience. Worked closely with a team to integrate the front-end and back-end services, ensuring data synchronization and a smooth user experience.

Tools: HTML, CSS, Bootstrap, JavaScript, Mongoose ODM, MongoDB, Express.js, React.js, Node.js, Postman, Git, Git Bash, GitHub, Render, Vercel

Post App

Personal Project
Role: Full-Stack Developer

A full-stack blog-sharing web application built using the MERN Stack (MongoDB, Express.js, React.js, and Node.js). This project allows users to create, edit, and delete their own blog posts, as well as comment on other users' posts.

Tools: HTML, CSS, Bootstrap, JavaScript, Mongoose ODM, MongoDB, Express.js, React.js, Node.js, Postman, Git, Git Bash, Render, Vercel

PROFESSIONAL EXPERIENCE

Encoder

Alpha Aviation Group
August 2016 – September 2016

- Inputted and maintained accurate data in aviation systems and databases.
- Verified and corrected data entries to ensure high levels of accuracy.
- Assisted with administrative tasks to support various departments in maintaining efficient operations.

Intern

Guidance Counselor's Office (Pampanga High School - SHS)
June 2016 – July 2016

- Assisted the guidance counselor with daily administrative tasks, including managing student files and documentation.
- Provided support during student counseling sessions by preparing materials and taking notes.
- Helped organize and facilitate student programs, seminars, and orientations focused on personal development, mental health, and academic planning.
- Assisted in data entry, filing, and tracking student progress reports.
- Provided general office support, including answering inquiries and scheduling appointments for students and parents.

EXTRACURRICULARS

- **President** (2016 – 2017) – UP Sigma Kappa Pi Fraternity (ΣΚΠ)

- **Secretary** (2013 – 2014) – UP Sigma Kappa Pi Fraternity (ΣΚΠ)

- **Secretary for External Affairs** (2015 – 2016) – UP Association of Economic Students (UP AES)

- **Affiliate Member** – Junior Philippine Economic Society (JPES)

- **Member** – UP *Samahang Mag-aaral na Nagkakaisa* (UP SAMANA)

- **Member** – UP Psychology Society (UP PsychSoc)

- **Member** – UP Musician's Guild

ADDITIONAL SKILLS

- **Microsoft 365**: Word, Excel, PowerPoint, Outlook

- **Google Workspace**: Calendar, Meet, Chat, Drive, Docs, Sheets, Slides, Forms

- **CRM Tools**: Zendesk, SnapEngage

- **Other Tools**: Virtual Private Network (VPN)

PROJECT EXPERIENCE

Scratch Game

Personal Project
Role: Developer

Developed a simple yet interactive shooting game using Scratch. The project demonstrates logic-based game development and event handling. Requirement for CS50x: Introduction to Computer Science.

Tools: Scratch (scratch.mit.edu)

Simple Bible Verse App

Personal Project
Role: Front-End Developer

Built a simple Bible Verse of the Day web app using React.js and Our Manna API. The app fetches daily verses and displays them with the verse reference in a clean, user-friendly interface. Implemented real-time verse updates, error handling, and a responsive design for an engaging user experience. Deployed on Vercel for optimized performance.

Tools: React.js, CSS

Simple Calculator

Personal Project
Role: Front-End Developer

Developed a simple yet functional and visually appealing calculator app using HTML, CSS, and JavaScript. The app features real-time calculations and input validation. Implemented key event handling for smooth user experience and deployed for easy access through GitHub Pages.

Tools: HTML, CSS, JavaScript

Emoji Frenzy

Personal Project
Role: Front-End Developer

Developed Emoji Frenzy, an arcade-style browser game built with vanilla JavaScript, HTML5, and CSS3. This retro-futuristic game features whack-a-mole gameplay with modern UI elements and engaging mechanics.

Tools: HTML, CSS, JavaScript