

# SAMUEL VINCENT R. ALAC

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## EDUCATION

### Bulacan State University

2022 - Present

Bachelor of Science in Information Technology

## SKILLS

**Languages:** HTML5, CSS3, JavaScript, TypeScript, C#, C++, Java, Python

**Frameworks:** React.js, Vite, Next.js, Tailwind CSS, Bootstrap, Django

**APIs & Databases:** REST, MSSQL, MySQL, PostgreSQL, SQLite, Firebase

**Artificial Intelligence:** LangChain, RAG, Generative AI, OpenAI, Gemini

**Tools:** Git, GitHub, Figma, Postman, Selenium, Visual Studio Code, Android Studio

## EXPERIENCE

### Full Stack Developer

Jan 2024 - Nov 2025

SDPTSolution - Capstone Project

- Collaborated with the team in developing SDPTSolutions Academy, an e-learning platform with Generative AI.
- Designed reusable React components, reducing repeated UI code by ~40% and improving code maintainability.
- Reduced page load times by up to 40% through efficient asynchronous data handling using TanStack Query and SSR.
- Decreased system and server errors by ~60% by performing testing with Postman and Selenium and efficient debugging.

## PROJECTS

### Custom Survey & Analytics Platform

2025

React | Tailwind CSS | Django | PostgreSQL

- Built a survey builder with a drag-and-drop interface, cutting survey setup time by ~40%.
- Engineered reusable React components and modular Django APIs improving code maintainability and scalability.
- Implemented dynamic charts and visualizations in the dashboard, improving insights delivery and user experience.
- Improved asynchronous data response time by ~30% by using Axios and TanStack Query.
- Increased system reliability by over 60% through thorough testing with Postman and Selenium and debugging.

### PocketExpress

2024

Java | SQLite

- Created a Point-of-Sale system that tracks sales and manages inventory, improving record-keeping and transactions.
- Lessened record errors by up to 60% compared to manual processes by implementing a user-friendly XML-based UI.
- Boosted sales tracking accuracy by ~40% using Java and SQLite for providing accurate records and faster transactions.

### Enrollment System

2023

Java | Microsoft SQL Server

- Developed a system for managing enrollment and records, generating reports and cutting admin processing time by ~55%.
- Enhanced enrollment handling to be 2× faster compared to traditional paper-based enrollment processes.
- Enabled administrators to make data-driven decisions based on detailed reports.

## CERTIFICATIONS

### Salesforce Supported Virtual Internship Program 2025 - Certificate of Completion

- Completed an 8-week program with hands-on training and capstone project.
- Achieved Agentblazer Champion status with multiple Trailhead badges, completing 100% of required modules