

Froilan Zarate Jr

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Detail-oriented and adaptable technology professional with experience delivering high-quality software solutions in fast-paced, dynamic development environments. I have a degree in Bachelor of Science in Computer Science with proven academic excellence (Magna Cum Laude). I have a strong foundation in software and web development, and a passion for creating efficient, innovative solutions using AI tools such as ChatGPT and CoPilot. I have experience and familiarity with deploying applications in Amazon Web Services (AWS).

Project Experience

Banking Application | School | <https://github.com/Tjmaxxx/onlinebanking> Feb. 2025 – May 2025

- A web-based banking application for Google users
- Main **full-stack developer** responsible **admin dashboard** and **backend API endpoints**
- **Hosted scrum meetings** to plan **sprints** and review progress
- Uses **Node.js**, **Flask**, and **MySQL**, all separated into their own **Docker** containers
- Developed with **Google OAuth API** for **user authentication**

Bug Tracker | School | <https://www.froilanzaratejr.com/projects/bug-tracker> Aug. 2023 – Dec. 2023

- A stand-alone application to track and report bugs for projects
- **Bug-tester** and **software maintenance developer**
- **Planned Agile workflow** to track and maintain progress
- Created **UML diagrams** and **specification documents**

K4T | Club | <https://froilan-zarate.itch.io/k4t> Feb. 2024 – May 2024

- A Unity 2D game where the player use their thumb to control the cat to save the world
- **Lead producer** and **lead developer** for both **game design** and **programming**
- Collaborated with **20 developers** using **GitHub workflow** and **C++** in a **Unity** game project

Skills

- | | | |
|--------------|---------------------------|-----------------------------------|
| ❖ Python | ❖ React | ❖ Django |
| ❖ C++ | ❖ SQL (MySQL, PostgreSQL) | ❖ Flask |
| ❖ C# | ❖ Git | ❖ REST API |
| ❖ C | ❖ Agile | ❖ CI/CD (GitHub Actions, Jenkins) |
| ❖ Java | ❖ Touch Typing (120 WPM) | ❖ Testing API (Vitest, Pytest) |
| ❖ TypeScript | ❖ Docker | ❖ AWS |

Education

San José State University Aug. 2022 – May 2025

- Bachelor of Science in Computer Science, **Magna Cum Laude**

Employment History

Milpitas Star Aquatics & Fitness | Front Desk Receptionist Aug. 2024 – Current

- Created a **C# script** to **automate closing announcements** and **procedures**

Teasociety | Cashier & Barista Aug. 2022 – Feb. 2023

- **Memorized** the process of making **+40 drinks** in under **1 week**