MARK NICHOLAS CAGAS

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GitHub | LinkedIn | Portfolio

EDUCATION

University of the Philippines Diliman	**GWA: 1.37/1.00**
Bachelor of Science in Computer Engineering, Magna Cum Laude	September 2021—July 2025

DOST-SEI Merit Scholar. UP Alumni Association of San Francisco Mentee.

TECHNICAL SKILLS

Programming Languages:	Java, C, C++, Python, JavaScript, TypeScript
Libraries/Frameworks:	Angular, Spring Boot, React, Sveltekit, Next.js, Node, OpenCV, Pandas, Keras, Scikit-Learn, TensorFlow
Tools/Platforms:	Jenkins, Docker, Bitbucket, Azure, AWS, GitHub, GitLab, Firebase, Postman, GraphQL, SonarQube, MySQL, PostgreSQL, MongoDB, Jira, Redmine, Docker, Kubernetes

WORK EXPERIENCE

Manulife IT Delivery Center Asia, Inc.	Makati City, Philippines
Full Stack Software Engineer Intern	Angular, Spring Boot, MongoDB, Bitbucket, Jenkins, GraphQL, Azure, Snyk, SonarQube, Jira	February 2025—Present

- Collaborated on a reactive, microservices-based document portal by architecting a custom validation feature that dynamically renders form fields based on client payload. Developed the end-to-end feature with Angular reactive forms and route guards paired with Spring Boot RESTful endpoints, completing 12 user stories and 4 backlog tickets.
- Streamlined CI/CD with Jenkins pipelines, Bitbucket branch policies, and test-driven development, reducing post-deployment defects by 30% and accelerating release cadence by 20%.

Azeus Systems Philippines Ltd.	Pasig City, Philippines
Web Developer Intern	Vue.js, Quasar, Jest, Playwright, GitLab, Redmine	November 2024— February 2025

- Created and migrated 8 forms from Convene ESG v2 to ESG v3, using the Builder Pattern in an Agile Development environment, boosting code reusability and maintainability.
- Developed and maintained unit tests and end-to-end tests during migration, creating mock data for integration testing, resulting in 94% code coverage and 82.1% test coverage.

Maya (Voyager Innovations, Inc.)	Mandaluyong City, Philippines
User Experience and Design Intern	Figma, Typeform, Miro, Google Workspace	August 2024—October 2024

- Concept-tested Maya Business 3.0s Payment Links feature for B2B/B2C MSMEs, uncovering key pain points and mapping the user journey, leading to a 40% reduction in task completion time.
- Benchmarked and designed application assets, raising user engagement by 30% through cohesive design strategies.
- Redesigned the High Engagement Banking system for the Maya Consumer app to streamline interest-boosting tasks for users, analyzing user feedback to refine UI/UX flows, resulting in a lower task completion time of 20%.

Analog Devices, Inc.	Cavite, Philippines
Digital Design Verification Intern	Verilog, Xcelium, Adsim, vManager, Shell Script, Jira	June 2024—July 2024

- Developed an optimized test plan, achieving 97.84% test coverage in the RTL design of an elevator control system.
- Automated test procedures through regression, reducing errors by 30% and expediting release cycles.

GCash (Mynt - Globe Fintech Innovations, Inc.)	Taguig City, Philippines
Technology and Operations Intern	Figma, React.js, Node.js, Git, GitHub	July 2023—September 2023

- Led the development of a loan management system to improve GLoan audit for Mynt and Fuse Lending.
- Documented incident handling procedures, accelerating resolution times and ensuring higher service availability.

EXTRACURRICULARS

UP Career Assistance Program for Engineering Students	Quezon City, Philippines
UP CAPES Job Fair 2025 Tech Lead	Bootstrap, Django, Python, AWS LightSail, S3	🌐	February 2025—March 2025

- Overhauled the CAPES portal by leading a cross-functional team and establishing a structured channel to integrate key features and subevents, achieving 2,489 views, 369 active users, and 5, 530 event counts in the first 5 days of release.

UP Junior Finance Association	Quezon City, Philippines
UP Fair Quests 2025 Logistics Head	January 2025—Present

- Planned a comprehensive manning strategy for UP Fair Quests 2025, encompassing overall communication and coordination channels, face-to-face ticket-selling guidelines, volunteer management, and stub procurement.

Web Design Director	Figma, Webflow, Memberstack, Airtable, Zapier	December 2021—June 2022

- Gained 3,000+ active users for the Philippine Financial Summit 2022 website by mobilizing a finance education platform
- Implemented interactive assessments to enhance engagement, resulting in a 60% increase in course completion rates.

ACHIEVEMENTS

**Globe Telecom – Code to Career Hackathon 2025	Champion**	Taguig City, Philippines
Frontend Developer	React, FastAPI, MongoDB, Amazon API Gateway, S3, Lambda, EventBridge	🪢	January 2025

- Pitched and created a crowdsourcing tool that scraped and performed sentiment analysis on approximately 400+ social media posts (X/Twitter) to detect customer complaints and provide live visualization of outage reports under 5 hours.

**Meralco – IDOL Hackathon 2024	Champion**	Pasig City, Philippines
Team Lead & Full Stack Developer	Arbitrum Blockhain, Solidity, Next.js, Postman, Vercel	🪢	November 2024

- Presented a real-time net energy monitoring dashboard built on a decentralized platform through the deployment of 3 smart contracts, winning ₱100,000 as the best energy sustainability solution aligned with Meralco's business and sustainability goals.