

# PETER KIRSCH MADRID

## SOFTWARE DEVELOPER

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### SUMMARY

Software Developer with internship experience in full-stack development using Laravel, React, and Flutter. Skilled in scalable applications, API integration, and AWS cloud deployment, with a foundation in systems administration and security.

### EDUCATION

#### Technological Institute of the Philippines - Quezon City

June 2020 - Aug 2025

Bachelor of Science in Information Technology

- Recognized as VPAA Lister for 3 consecutive school years, demonstrating consistent academic excellence
- Completed coursework and projects in systems administration, enterprise integration, and IT security, building a foundation for scalable and secure software solutions.

### PROFESSIONAL EXPERIENCE

#### HiPe Japan Inc - Eastwood Global Plaza, Eastwood, Quezon City

Feb 2024 - June 2024

Intern Software Developer

- Developed and deployed a microblogging app in Laravel using MVC and RESTful architecture, improving backend maintainability and enabling faster feature iteration.
- Integrated APIs with a Flutter frontend, increasing responsiveness and ensuring smooth data exchange between backend and mobile interface
- Led a 4-member team in designing and implementing 6 core features using Agile methodology, completing 4 development sprints and delivering a fully functional prototype within the planned 8-week cycle
- Assisted senior software engineer in identifying and fixing production UI bugs, reducing user-reported issues by approximately 15% and enhancing overall site stability
- Delivered a technical presentation to a panel of software engineers, showcasing the prototype's features and architecture, and demonstrating its readiness for real-world application.

### PROJECTS

#### Mathands – Mathematics Sign Language Learning App

Mambugan II Elementary School | 2024

- Built a mobile app using Flutter and MediaPipe to teach Grade 1 mathematics through real-time sign language recognition
- Conducted classroom testing with students, improving UX based on feedback and validating app effectiveness in enhancing learning engagement

#### Microblogging Application

HiPe Japan OJT Project | 2024

- Engineered a microblogging platform using Laravel (MVC, RESTful architecture) with integrated APIs for seamless Flutter frontend interaction
- Delivered a working prototype in 8 weeks, implementing 6 core features that demonstrated practical application of full-stack development

#### SoleCartel – E-Commerce Website

Academic Project | 2023

- Developed a React-based e-commerce site with core shopping features (product catalog, cart, checkout)
- Implemented modular components and clean code structure, enabling easier maintenance and future feature scalability

### SKILLS

**Programming Languages:** JavaScript, PHP, Java, Python

**Frameworks & Libraries:** React, Laravel, Flutter, Next.js, Vue.js

**Databases & ORMs:** MySQL, Prisma

**Tools & Platforms:** Git, GitHub, AWS, Docker

**Concepts:** MVC, RESTful APIs, Systems Administration, Information Security

**Certifications:** AWS Certified Cloud Practitioner | IBM Enterprise Design Thinking Practitioner