

# Kin Clark Perez

Product Engineer, bridging design, engineering, and AI

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## SELECTED PROJECTS

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| <b>Pixilmate (Web App)</b><br>Pixel art, animation, and a hiring path for artists<br>Stack: Next.js, Supabase, Firebase<br>Why: Artists juggled separate tools to draw, animate, and get discovered by studios.<br>How: Built run-length pixel compression (48MB to 124KB). 160+ users, AetherAI moved their editor onto it.         | 2026 |
| <b>ArchLab (Web App)</b><br>Local-first AI that maps codebase architecture<br>Stack: React, local-only<br>Why: Understanding architecture meant reading code by hand or trusting a cloud AI with proprietary source.<br>How: Six AI agents run fully on-device, nothing leaves the machine. Open source on GitHub.                   | 2026 |
| <b>Perchie (Desktop)</b><br>A calm companion that lives in the MacBook notch<br>Stack: Swift, SwiftUI, local-only<br>Why: Wellbeing apps fire on fixed timers, interrupt mid-flow, and get muted within a day.<br>How: Rebuilt the reminder engine to fire on confirmed delivery, not on qualifying. RevenueCat Shipaton 2026 entry. | 2026 |
| <b>Gecko (Mobile)</b><br>Real-time electricity tracking that ends bill shock<br>Stack: Flutter, SQLite (local)<br>Why: Filipino households get bill shock with nothing showing electricity cost add up in real time.<br>How: Rewrote from React Native to Flutter after a UI bug cost a week. Live on the App Store.                 | 2026 |
| <b>Chomp Snake &amp; Dice (Mobile)</b><br>Snakes and Ladders where shaking your phone rolls the dice                                                                                                                                                                                                                                 | 2026 |
| <b>Learning Pod (Web App)</b><br>Role-aware platform for at-risk-student coaching<br>Stack: React, Supabase<br>Why: One staff member ran an entire at-risk-student coaching program by hand across spreadsheets.<br>How: Enforced all six institutional roles with database row-level security, replacing the manual process.        | 2026 |

## EXPERIENCE

|                                                                                                                                                                                                        |                 |
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| <b>Founder &amp; Product Engineer of Pixilmate</b><br>Own the design, the code, and the AI features for a creative platform for pixel artists, from the first idea to a live product at pixilmate.com. | 2026 to present |
| <b>Founder of ArchLab</b><br>Built an AI-powered tool that studies how a codebase is put together, entirely on your own machine, without sending code externally. Open source.                         | 2026 to present |
| <b>Contributor of Alima</b><br>Helping grow Alima alongside my own product work.                                                                                                                       | 2024 to present |

## SKILLS

TypeScript · React · Next.js · React Native · Flutter · Swift · SwiftUI · Node.js · PostgreSQL · Supabase · AI/LLM integration · System design

## EDUCATION

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|-----------------------------------------------------------------------------------------------------------|--------------|
| <b>BS Information Technology at Southwestern University PHINMA</b>                                        | 2023 to 2027 |
| <b>Junior High School and Senior High School (STEM) at Holy Family of Nazareth School of Tubigon Inc.</b> | 2017 to 2023 |

## CERTIFICATIONS

