

Adam Pangelinan

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SUMMARY

Execution-first Software Engineer and "Longtermer #2" at the Network School. Currently building the **Learn-Earn Economic Engine** to solve the MDEC residency bottleneck. Proficient in rapidly shipping production apps using React, Python/Django, and AI-assisted workflows. Seeking to formalize Core Team role to scale the school's digital infrastructure.

NETWORK SCHOOL PROJECTS (CURRENT)

The Learn-Earn Engine
Lead Architect & Developer

Oct 2024 – Present
Network School

- **MDEC Residency Solution:** Designed and currently building the routing infrastructure to connect \$1M+ in idle portfolio company tasks to residents, directly addressing the visa income requirement.
- **SkillMarketCap.com:** Shipped a real-time data visualization tool for tracking resident skill value, demonstrating complex API consumption and React state management.
- **NS Internal Tools:** Developed *NS Issue Estimator* and *Tutorial Generator* to streamline community contributions, aligning with the JD's "Internal Tools" requirement.
- **Physical Infrastructure:** Established the physical "Classroom" node to facilitate deep work and co-learning sessions.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, SQL, HTML5, CSS3

Frontend: React.js, Next.js, Redux, Tailwind CSS, Material UI

Backend: Node.js, Express, Django (Adapter), Flask, PostgreSQL, MongoDB, AWS (EC2, S3)

DevOps/Tools: Docker, Git, Nginx, Vercel, Cursor (AI Workflow), Linux/Bash

PROFESSIONAL EXPERIENCE

Hilton Guam Resort & Spa
Software Engineer

Apr 2024 – May 2024
Guam

- Engineered a secure Gym Class Management Admin Panel using **Node.js**, enabling real-time schedule updates.
- Built a responsive guest enrollment landing page using **React.js**, optimizing UX for mobile users.

Blue Guam
Software Engineer

Oct 2023 – Nov 2023
Remote

- Deployed secure production infrastructure for a 5-person agile team. Configured **Nginx** and Certbot for HTTPS.
- Containerized the full-stack application using **Docker**, hosting 4 orchestrated containers on AWS.

SELECTED ENGINEERING PROJECTS

Audioboogie

Oct 2023

Python, Machine Learning, Facebook TTS

- Built an automated audiobook generator using the **PyPDF2** library to parse 100k+ characters from PDF text.
- Integrated Facebook's TTS ML model to synthesize realistic speech, optimizing performance to run 2x faster on GPU.

Peeramid

Mar 2023

React, Redux, Express, MongoDB

- Developed a full-stack wellness tracking application. Architected the Redux state management for 4 key user flows.
- Designed RESTful API endpoints in Express to handle complex data retrieval across 44 distinct routes.

EDUCATION

App Academy

Nov 2022 – Mar 2023

Full Stack Web Development Immersive

Remote

- 1000+ hour immersive curriculum focused on Ruby on Rails, JavaScript, and React.