

# VERNEIL KENT BATILLER

## FULL STACK ENGINEER

Angeles City, Pampanga, Philippines | vurnkambal.github.io

Full Stack Engineer with production experience building scalable web applications and data pipelines. Proficient in modern JavaScript ecosystems (React, Node.js, GraphQL) and AI-assisted development (Cursor, GitHub Copilot) with hands-on experience in Rust backend development and AI integration. Proven ability to implement complex features, collaborate on legacy code migrations, and deliver secure, real-time solutions in remote environments.

### PROFESSIONAL EXPERIENCE

<b>Unit Network - Full Stack Engineer</b>	<b>Present</b>
<ul style="list-style-type: none"><li><b>Unit AI Full Stack Architecture:</b> Engineered the Substrate pallet and event-driven backend service that listens for on-chain events, processes user prompts via LLMs, and cryptographically submits results back to the blockchain. Built the Polkadot.js integration to bridge this workflow to the frontend.</li><li><b>Blockchain Indexing (Subsquid):</b> Developed custom Subsquid processors for Bank and Treasury pallets, ensuring real-time synchronization of financial transaction data to PostgreSQL.</li><li><b>GraphQL Implementation:</b> Contributed to the REST-to-GraphQL migration, refactoring legacy React hooks to reduce redundant API and RPC calls, significantly improving application load performance.</li><li><b>LLM Integration (Unit Shop):</b> Built the Review Summarizer and AI Chatbot modules, implementing AI-generated summaries and efficient data handling to manage large review feeds and improve user decision speed.</li><li><b>AI-Driven Development:</b> Leveraged Cursor and GitHub Copilot across the entire lifecycle to accelerate pallet engineering, refactor legacy code, and resolve frontend-backend discrepancies.</li></ul>	
<b>EDUCATION</b>	
<b>Bachelor of Science in Computer Science - Magna Cum Laude</b>	
Holy Angel University	
<ul style="list-style-type: none"><li>Thesis on "Forecasting College Enrollment Utilizing Machine Learning Algorithms"</li></ul>	

### TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript, Python, SQL, HTML, CSS, Rust

**Frontend:** React, Next.js, Tailwind CSS, Redux, Tanstack

**Backend & Data:** Node.js, GraphQL, REST APIs, PostgreSQL, Prisma ORM, MongoDB, Subsquid

**Web3 and AI:** Web3.js, Substrate, Polkadot SDK, Cursor, GitHub Copilot.

**DevOps and Tools:** Docker, AWS, Git, Linux/WSL.

### ACHIEVEMENTS

<b>Capture the Flag Champion - Top Scorer</b>	<b>2023</b>
Cybersecurity Intelligence Alliance	
<b>Coding Champion</b>	<b>2021 &amp; 2022</b>
League of Outstanding Programmer	
<b>AWS DeepRacer Open League - Top 10%</b>	<b>2022</b>
AWS DeepRacer	

### PROJECTS

<b>Invocation Marketplace</b>   Web3 and Cloud Computing Projects	<b>2024</b>
<ul style="list-style-type: none"><li><b>Architectural Re-platforming:</b> Developed a marketplace originally engineered for decentralized systems and later re-platformed to a cloud-based Web2 architecture to meet distinct technical requirements.</li><li><b>Web3 Implementation:</b> Developed and tested Solidity smart contracts with Hardhat, utilizing Web3.js and IPFS (Pinata) for decentralized metadata storage and secure gacha mechanics.</li><li><b>Cloud Migration:</b> Transitioned core services to AWS and MongoDB, replacing IPFS with scalable cloud storage to optimize data retrieval speeds and reliability.</li></ul>	
<b>CERTIFICATES</b>	
<b>Data Literacy &amp; AI Fundamentals</b>	
<b>Machine Learning DeepRacer</b>	
<b>Cloud Foundations</b>	
<b>CyberOps Associate, CCNA: Intro to Networks, Cybersecurity, and IoT</b>	
<b>DataCamp</b>	
<b>AWS Educate</b>	
<b>AWS Academy</b>	
<b>Cisco Networking Academy</b>	