

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

Unit Network - Full Stack Engineer	Present
<ul style="list-style-type: none">Unit AI Full Stack Architecture: 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.Blockchain Indexing (Subsquid): Developed custom Subsquid processors for Bank and Treasury pallets, ensuring real-time synchronization of financial transaction data to PostgreSQL.GraphQL Implementation: Contributed to the REST-to-GraphQL migration, refactoring legacy React hooks to reduce redundant API and RPC calls, significantly improving application load performance.LLM Integration (Unit Shop): 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.AI-Driven Development: Leveraged Cursor and GitHub Copilot across the entire lifecycle to accelerate pallet engineering, refactor legacy code, and resolve frontend-backend discrepancies.	

EDUCATION

Bachelor of Science in Computer Science - Magna Cum Laude	2021 - 2025
Holy Angel University	
<ul style="list-style-type: none">Thesis on "Forecasting College Enrollment Utilizing Machine Learning Algorithms"	

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

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

PROJECTS

Invocation Marketplace Web3 and Cloud Computing Projects	2024
<ul style="list-style-type: none">Architectural Re-platforming: Developed a marketplace originally engineered for decentralized systems and later re-platformed to a cloud-based Web2 architecture to meet distinct technical requirements.Web3 Implementation: Developed and tested Solidity smart contracts with Hardhat, utilizing Web3.js and IPFS (Pinata) for decentralized metadata storage and secure gacha mechanics.Cloud Migration: Transitioned core services to AWS and MongoDB, replacing IPFS with scalable cloud storage to optimize data retrieval speeds and reliability.	

CERTIFICATES

Data Literacy & AI Fundamentals	DataCamp
Machine Learning DeepRacer	AWS Educate
Cloud Foundations	AWS Academy
CyberOps Associate, CCNA: Intro to Networks, Cybersecurity, and IoT	Cisco Networking Academy