Erik Karyan

Full Stack Engineer

Full Stack Engineer focused on **Blockchain** and **AI**, with over 7 years of experience delivering scalable, secure, and forward-thinking solutions. My work bridges the gap between cutting-edge research and real-world applications—most recently leading AI initiatives in a decentralized science platform that analyzed thousands of research papers to enhance accuracy and transparency.

- erikkaryan0330@gmail.com
- Yerevan, Armenia
- erik-karyan.vercel.app
- linkedin.com/in/erik-karyan-17bb0735a
- github.com/erik0330

WORK EXPERIENCE

Full Stack Engineer │ AI & Blockchain
NobleBlocks LLC

10/2023 - 03/2025

Achievements/Tasks

- Developed intelligent backend systems using OpenAI's LLMs to analyze and validate scientific research papers, identifying logical flaws, inconsistencies, and misleading claims.
- Fine-tuned models on 20,000+ labeled segments to improve domain-specific understanding and classification accuracy.
- Built automated summarization and validation pipelines, reducing editorial review time by 42% and increasing paper screening efficiency for scientific communities.
- Collaborated closely with blockchain and AI teams to ensure data integrity, performance, and scalability across decentralized environments.

Full Stack Developer │ Blockchain
Milies

03/2021 - 09/2023

Achievements/Tasks

- Built and maintained scalable back-end systems in Rust, optimizing performance for diverse applications and improving system throughput by 30% through code optimization and efficient architecture design.
- Designed and implemented blockchain solutions to enhance security and transparency, while leading the development of a blockchain-based app that boosted transaction security by 20%.
- Developed RESTful APIs and microservices, integrating with front-end systems and third-party services.

Full Stack Developer
Globaldev Group

01/2018 - 12/2020

Achievements/Tasks

- Implemented fixes and features in JavaScript applications using React, Redux, and ES6, resulting in a 20% increase in user satisfaction.
- Coordinated with the Design team to create smooth animations, enhancing website aesthetics and boosting user engagement by 15%.
- Contributed to software development projects by writing clean, maintainable code, ensuring long-term project sustainability.

TECHNICAL SKILLS

Backend
Rust, Python, Go, Java, PHP, Node.js, MongoDB, PostgreSQL, MySQL, Redis, Django, FastAPI, Flask, Ruby on Rails, Laravel, Symfony, Spring

Frontend
React.js, Next.js, Nuxt.js, Vue.js, JavaScript, TypeScript, TailwindCSS, Redux, Vuex

AI & Blockchain
LLMs, NLP, Prompt Engineering, Solana, Ethereum, ICP, Smart Contracts, Web3.js

DevOps & Tools
GitHub, Docker, CI/CD, Nginx Apache, AWS, GCP, Firebase, Kubernetes

SKILLS

Custom API Development

Prompt Engineering with ChatGPT / OpenAI APIs

AI Model Integration

Smart Contract Development

DApp Backend & Frontend Integration

EDUCATION

Bachelor's degree in CS
American University of Armenia

09/2013 - 09/2017