Daniel
Ángel Barreto

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GitHub: https://github.com/DanielGeek

References:
https://www.linkedin.com/in/daniel-angel-web3/details/recommendations

‹ Software Engineer🧑‍💻 / ›
+12 years of experience

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EXPERIENCE

Backend AI Engineer
at Angels | Jul 2024 -   Present

- I've been a backend AI consultant, building scalable LLMs Projects and APIs using Python, Node, Context Engineering, MCP servers and clients, Actix, Axum, and Rocket, all of them with async programming powered by Tokio. I've built resilient data layers with SQLx, Diesel, and SeaORM. I've also developed AI-powered features leveraging Rust-native LLM libraries such as rust-bert, Candle, and Ollama. My work emphasizes high performance and energy efficiency, aligning with AWS's sustainability vision. I aspire to become a recognized authority in Rust for backend and AI systems.

- Web3 Engineer at Angels (Soluciones Root, El Salvador | Remote | Jan 8 2025 - March 2025)

- Leading the development of a Staking dApp, designing backend APIs, and overseeing Web3 integrations. Managing a cross-functional team to deliver secure blockchain solutions. Implementing proxy-based upgradable staking and DeFi mechanisms. Utilizing Rust, Solidity, Hardhat, Foundry, OpenZeppelin, Uniswap & Slither. Developing a Next.js + Wagmi frontend, integrating viem, and smart contract event listeners for a seamless UX.

- Full Stack AI Rust Engineer at Angel (Chiral | US Remote)| Sep 2024 - Oct 2024

- As a fullstack consultant at Chiral, I collaborated with Google Director and CEO Danu Romuald for nearly a month to develop both the backend and frontend of an AI LLM product using Rust and React with Next.js. I played a crucial role in building the product's core features, ensuring smooth integration between the frontend and backend, while delivering a high-performance solution in a short timeframe.

ABOUT ME

CORE TECHNICAL SKILLS:

PROGRAMMING LANGUAGES:
Rust, Solidity, TypeScript, JavaScript, Python, Go, Java, C++.

FRONTEND FRAMEWORKS:
React.js, React Native, Next.js, SvelteKit, Vue.js, Angular, JQuery, Tailwind.

BACKEND TECHNOLOGIES:
FastAPI, Rust, Axum, Actix Web, Solidity, Node.js, Express.js, Python, Go, Java, Docker, Kubernetes, AWS.

BLOCKCHAIN PLATFORMS:
Ethereum, Solana, Bittensor, Tezos, ICP, Polygon Matic, Chainlink, SmartPy.

DATABASE SYSTEMS:
MongoDB, PostgreSQL, MySQL, SQL Server, MySQL Aurora, Redis.

DEVOPS & TOOLS:
CI/CD, Jenkins, SonarQube, AWS EC2, S.O.L.I.D.

LENGUAGES
Spanish Native, English C1, German A1

AI & MACHINE LEARNING:

- LLMs (Large Language Models) - theory and application (GPT, Gemini, Claude, LLaMA-2, INSTRUCT-tuned models)
- Tokenization, embeddings, attention, and transformers
- Multi-head attention and positional encodings
- Prompt formats (Alpaca, ChatML, LLaMA-2)
- Running & Using LLMs (OpenAI & Gemini APIs, local models with Ollama + Docker, Hugging Face models)
- AI Agents (building from scratch, CLI-based coding agents, multi-agent systems)
- RAG (Retrieval Augmented Generation) systems (indexing, retrieval, answering, document loaders, splitters, retrievers, vector stores)
- LangChain (Runnables, LCEL, Prompt Templates, Output Parsers, document loaders, splitters, retrievers, vector stores)
- LangGraph (state, nodes, edges, graph-based AI, control flow, decision making, checkpoints, persistence, MongoDB integration)
- Memory Systems (short-term, long-term, episodic, semantic, conversational, vector, sliding windows, persistent, Mem0, Vector DB)
- Conversational AI (voice-based agents, speech-to-text (STT), text-to-speech (TTS), voice assistants)
- Multi-Modal AI (processing images and text together)
- Model Context Protocol (MCP) - STDIO and SSE transports, MCP server development
- Graph Memory (Neo4j, Cypher queries, graph-based memory systems)
- AI Integrations (OpenAI, Claude, Gemini, external APIs)

EXPERIENCE

- Lead Fullstack Blockchain Software Engineer at Immersion | Aug 2024 - Sep 2024 | Canada Remote
- Spearheaded the development of scalable Bittensor subnets on localhost and Devnet, optimizing validator interaction and communication efficiency, resulting in a 30% improvement in network reliability. My work demonstrated expertise in Bittensor's architecture and Rust-based development, laying the groundwork for future scalability while integrating APIs and front-end features for enhanced user experience.

Fullstack React/Node Software Engineering Teacher | Aug 2021 - Jul 2025
Superprof | Chile, Puerto Varas

- I helped more than 100 students learn about different languages such as Solidity, Javascript, React/Next, Node/Express, Rust and Databases such as MySQL and MongoDB, Bittensor.

Full Stack React/Node Blockchain Software Engineer | Oct 2023 - Feb 2024
Masma | Canada | Remote

- I created 3 new smart contracts for our smart wallets products with account abstraction ERC-4337 features for beneficiaries of Masma users by developing and advising a team of 2 blockchain developers, 1 CEO, 1 CTO, 1 CMO, and 2 developers in 4 months using Solidity and Rust.
- I developed front-end features with Next/React.

Lead Fullstack React/Node Blockchain Software Engineer | Feb 2023 - Dec 2023
SPOZZ.Club | Switzerland - Chile, Venezuela Remote

- My leadership in the development and deployment of ERC-721 and ERC-1155 smart contracts, primarily utilizing Solidity and Rust, spanning across various L1 and L2 networks, including Ethereum, Polygon Matic, BNB and multiple testnets. This not only demonstrated my proficiency in Solidity but also solidified Spozz NFT Marketplace as a versatile platform for a broad audience.
- I developed front-end features with Next/React and SvelteKit.
- I developed APIs using MongoDB, Node and Express.js

OTHERS TECHNICAL SKILLS:

- Trigger nodes (Webhook, Google Form, Stripe, Manual).
- Messaging nodes (Discord, Slack).
- Background job execution with Inngest.
- Polar payments & subscriptions.
- Better Auth authentication.
- Sentry error tracking + AI monitoring.
- CodeRabbit PR reviews.
- AI integrations (OpenAI, Claude, Gemini).
- Prisma ORM + Neon Postgres.
- Type safety with TypeScript + tRPC.
- React Flow canvas.
- Production-ready SaaS
- Ollama (local LLM deployment)
- Hugging Face (models and datasets)

EXPERIENCE

React FrontEnd Software Engineer | Oct 2021 - Nov 2022
Globant | Chile, Puerto Varas

- I created 20 new features for a SaaS product for beneficiaries of private finances App by developing and advising a team of 7 React developers, 1 Product Lead, 1 Product Owner, and 2 UX Designers in 1 year.
- I developed front-end features with Next/React.

FullStack React/Node Software Engineer | Dec 2020 - Oct 2021 - Chile
ZerviZ | Chile, Puerto Varas

- I created 15 new features for a SaaS product and Zendesk CRM for beneficiaries of private healthcare by developing and advising a team of 20 JavaScript developers, 2 Product Leads, 2 Product Owners, and 4 UX Designers in 8 months.
- I developed front-end features with React and Backend with Node/Express, MySQL and MongoDB.

FullStack Software Engineer | Jun 2020 - Dec 2020
Smart Eyes | Chile, Puerto Montt

- I completed development of an ERP system for managing the internal resources of 20 companies and 20 employees and helping more than 50000 clients in Chile.
- I developed front-end features with React and Backend with Node/Express, MySQL, SQL Server, MongoDB and PHP

FullStack Software Engineer | Dec 2019 - Mar 2020
Sistemas Expertos e Ingeniería de Software Ltda.
Chile, Puerto Montt

- I created 3 new features for a SaaS product for beneficiaries of public healthcare by developing and advising a team of 5 JavaScript developers, 1 Product Lead, 1 Product Owner, and 2 UX Designers in 4 months.
- I developed front-end features with React and Backend with Node/Express, PostgreSQL and PHP

Full Stack Software Engineer | Sep 2018 - Nov 2019
TELEDATA CHILE | Puerto Varas

- Migrated and maintained Teledata ERP to AWS EC2 instance and used MySQL RDS Aurora and SES to send more than 10.000 emails per day, boosting operational productivity by 99% and Increasing ERP web application speed by 99% for over 1000 customers by reorganizing the old PHP backend code repository over 6 months to make it more efficient and scalable.
- I developed front-end features with JQuery, JS and Backend with PHP/Laravel, MySQL and AWS cloud services like MySQL Aurora, SES, EC2 Instances, lightsail and so on.

FullStack Software Engineer | Jan 2017 - Sept 2018
Awaking.cl Chile | Venezuela Remote

- Development and maintenance of 20 websites and 2 ERPs for a client in Chile with an administrative panel improving and reducing time spent on information management.
- I developed front-end features with JQuery, Js, Bootstrap, and Backend with PHP and MySQL.

FrontEnd Software Engineer | Dec 2016 - Oct 2017
Myabakus.com New Zealang | Venezuela Remote

- I developed front-end features using CSS, JavaScript, jQuery and GitHub for a New Zealand company named Myabakus.
- I designed mocks for implementing it on the front-end website of myabakus.com.

EXPERIENCE

Profile

- Innovative Full Stack Software Engineer with over 12 years of experience specializing in blockchain, Backend, Front-End, AI, and SaaS solutions. Proficient in cutting-edge technologies such as Rust, Solidity, and React, with a proven track record of delivering scalable solutions across multiple industries. Passionate about leveraging technology to drive business transformation while fostering collaborative and dynamic team environments.
- Lover of my work and achieving team objectives.
- I like to enjoy my family time with my daughter and wife.
- I like sports like going to the gym.
- I like to read books and learn about new technologies, I am constantly learning.
- I enjoy visiting and exploring places surrounded by nature

EDUCATION / PERSONAL PROJECT

Computer Science Technician | 2012 - 2015 - Venezuela

Readic University Institute of Technology UNIR.

- With the help of my tutor, we installed over 100 GNU Linux distributions and set up dual-boot systems to allow users to switch between Windows and GNU Linux on the same computer.

Other certifications and diplomas:
https://www.linkedin.com/in/daniel-angel-web3/details/education/
https://www.linkedin.com/in/daniel-angel-web3/details/certifications/