

Top 3% Cool Shark AI Sculptor with 10 years' experience in spanning a wide range of application frameworks, developing, testing and rolling-out software solutions. Completed 30+ amazing websites, desktop & mobile applications and web services with the strong mindset of saving cost and time. Extremely specialized in JavaScript, Typescript, C/C++, C#, Python, Solidity, React, Next, React Native, AngularJS, ASP.NET, FastAPI, Flask, Go, Django, MySQL, MongoDB, PostgreSQL, Blockchain, Ethereum, Solana, Ripple, Smart Contracts, GraphQL, AI, Bittensor, GPT, Azure AI, Desktop Application using Electron, Machine Learning, LSTM, Yolo, Gemini, Cursor IDE, LangChain, LangGraph, Claude, RAG, Nginx, Docker, Kubernetes, AWS, Azure, Firebase, Digital Ocean, Jira, Jenkins and Git.

Experience

[Bittensor](#), Toronto, Canada

AI Engineer

12/2023 – Present

Actively participated in open-source development, sharing insights and code that contributed to the growth and success of the several Bittensor, the most well-known leading decentralized AI network, subnets working closely with several subnet owners.

Spearheaded the end-to-end design and development of crypto payment system, employing blockchain technology to revolutionize online transactions within the Bittensor's several gambling subnets.

- Built a React Native crypto wallet SDK, optimizing transaction speeds by 30% via rendering optimizations and WebSocket integration.
- Designed and deployed multiple web applications for Neural Internet (SN27) company, utilizing React, d3.js, GSAP for frontend and better animation, resulting in a 40% increase in user engagement and boosting their subnet emission by 35% in a short period of time.
- Implemented backend services using FastAPI to support scalable, high-performance applications, achieving response times under 200 milliseconds for 97% of API calls for neural internet chatbot and company website.
- Contributed to the development of SN24 (Omega: video embedding subnet using OpenAI, Gemini, and Claude APIs) miner and validator ecosystem improving miner model efficiency by 25% and enhancing uptime rate and validation efficiency resulting in a 250% increase in emission (around 3%).
- Developed and prototyped several web apps and mobile apps (iOS/Android), landing page, data explorers as well as desktop focusing app (windows and mac app) utilizing GPT4o, Gemini 1.5 Pro, Gemini 1.5 Flash, Claude, and Carbon.ai handling text, audio, image, video understanding achieving a 30% increase in user engagement.
- Implemented CI/CD, OTA updates, internal and external distributing pipeline for internal team members and end users illustrating my ability and the understanding of Github, AWS, GCP and several backend design patterns and best practices to create impactful applications that will collectively serve over 50M users.
- Developed and designed smart contracts on Tao Network using solidity for decentralized applications and blockchain-based authentication and transaction systems for secure finance solutions resulting 1.5 times emission boost of several subnets.
- Optimized several payment systems with a distributed message queue using Rabbit MQ, which handled thousands of payments per day, resulting in \$200k+ savings on transaction fees.
- Integrated Ripple, Dogecoin, Solana (Sol) and Tron (TRX, USDT, USDC) payments resulting in a 50% increase in cryptocurrency transactions within the first quarter of implementation.

[X Socialmedia](#), Florida, United States

Full Stack Developer

11/2019 – 11/2023

Architected a document signing web application tailored for lawyers, integrating drag-and-drop functionality for seamless digital signatures. Solely responsible for the development of core signing features and backend infrastructure using the MERN stack.

- Developed scalable internal data visualization tools for marketing analytics, leveraging React and PostgreSQL, resulting in a 30% increase in reporting efficiency.
- Created a comprehensive lead management system that seamlessly integrated with Facebook's Marketing API, enabling real-time data synchronization and enhancing lead conversion rates by 25%.
- Designed and implemented an interactive dashboard to monitor advertising performance metrics, facilitating data-driven decisions that optimized campaign ROI by 15%.
- Collaborated with cross-functional teams to establish CI/CD pipelines, utilizing tools like Jenkins and Docker, which reduced deployment time by 40%.

- Spearheaded the migration of legacy systems to a microservices architecture, improving system reliability and scalability, leading to a 50% reduction in downtime.
- Conducted code reviews and mentored junior developers, fostering a culture of best practices in software development and contributing to a 20% improvement in team productivity.
- Leveraged several clouding services such as AWS Lambda, DynamoDB, S3, EC2, Cognito, and Firebase to establish push notification to build infrastructure of deployment, CI/CD workflow of 3+ challenging projects.
- Optimized React/Redux dashboards, reducing load times by 25% via lazy loading and PostgreSQL query tuning, improving developer workflow with automated testing.
- Mentored junior developers in React Native performance profiling, optimizing rendering efficiency and reducing app load times by 20% through targeted code reviews and hands-on debugging sessions.

Limelight Department, OR, United States Software Developer

3/2016 – 11/2019

Designed and implemented a marketing data aggregation platform, integrating advertising data from Facebook, Google, and Instagram. Developed AI-powered analytics dashboards with React and PostgreSQL for real-time campaign performance insights, optimizing marketing automation and data-driven decision-making.

- Developed AI-powered analytics dashboards using React and PostgreSQL, delivering real-time campaign performance insights and enhancing marketing automation, which led to a 25% improvement in decision-making efficiency.
- Designed and implemented a robust marketing data aggregation platform that seamlessly integrated advertising data from major platforms including Facebook, Google, and Instagram, resulting in a 30% increase in data accuracy.
- Spearheaded the development of a comprehensive CRM system for managing temporary placements, integrating PostgreSQL for effective tracking of budgets, user logins, and analytics which streamlined operations by 40%.
- Designed a robust search system that enabled fast data retrieval, significantly improving high-volume claims processing speed by 50%.
- Built high-performance web applications utilizing React and Express.js, achieving a 20% reduction in load times and enhancing user experience.
- Developed custom Content Management System (CMS) solutions with PostgreSQL, optimizing database indexing and queries to improve application scalability and performance, resulting in a 35% increase in system responsiveness.

Education

Bachelor Degree in Computer Science, [Princeton University](#)
New Jersey, United States (4/2012 – 3/2016)

Skills

- **Programming Languages**
JavaScript, TypeScript, C/C++, C#, Python, Rust, Solidity
- **Frontend Development**
React, React Native, Next.js, Angular, Redux, Context API, Electron, Tauri, Webpack, Ionic
- **Backend Development**
Node.js, Nest.js, Express.js, Go, Fastify, ASP.NET, FastAPI, Flask, Django, GraphQL, Swagger
- **Database**
MySQL, MongoDB, PostgreSQL, Redis, Firebase
- **Cloud & DevOps**
AWS, Azure, Google Cloud, Digital Ocean, Docker, Kubernetes, Nginx, Jenkins, Git, CI/CD
- **Blockchain**
Blockchain, Ethereum, Solana, Ripple, Smart Contracts, DeFi, Bittensor, Crypto Wallets
- **AI & Machine Learning**
AI/ML, Gemini, GPT, Azure AI, YOLO, NLP, TensorFlow, Keras, PyTorch, RAG, LSTM, Claude, Cursor IDE, LoRA, MoE, LangChain, LangGraph
- **Other Tools & Methodologies**
RabbitMQ, Jira, Agile Methodologies