

Charles Gordon

Expert Blockchain Engineer

SUMMARY

Dynamic Senior Blockchain Developer with over 8 years of experience in building and deploying enterprise-grade blockchain applications. Proficient in Solidity and Rust, expertly crafted DeFi protocols managing \$75M+ TVL and facilitated \$100M+ in cross-chain volume. Proven leadership in guiding engineering teams to deliver high-performance technologies such as a network bridge for Solana-Ethereum interoperability and Cosmos SDK chains. Innovated within the blockchain space by implementing TSS/MPC for secure transactions, designing advanced Layer 2 scaling solutions, developing DEX platforms, and ensuring system robustness through comprehensive DevOps practices. Educated in Computer Science from Sonoma State University, this engineer brings a wealth of knowledge in blockchain frameworks and protocols, programming languages including Solidity, Rust, and Go, as well as cloud infrastructures like AWS/GCP, underpinned by a command of software development methodologies.

TECHNICAL SKILLS

Main Technical Skills	SOLID (8 yr.), DeFi, Cross Chain Bridges, Smart Contract, Azure DevOps
Programming Languages	JavaScript, Python
JavaScript Frameworks	Node.js
Cloud Platforms, Services & Computing	AWS, GCP
Azure Cloud Services	Azure DevOps
BlockChain and Decentralized Software	Bitcoin Blockchain, CosmWasm, Cross Chain Bridges, DeFi, Smart Contract
Deployment, CI/CD & Administration	CI/CD
Virtualization, Containers and Orchestration	Docker, Kubernetes
Methodologies, Paradigms and Patterns	microservices architecture, SOLID (8 yr.)



WORK EXPERIENCE

Senior Backend Engineer, Scalable Backend Solutions & DevOps Infrastructure

Duration: 05/2016 - 01/2018

Summary: Led the development of scalable backend solutions, microservices architecture, and DevOps infrastructure for large-scale distributed systems

Responsibilities: Led development of scalable software solutions using Python/Node.js in microservices architecture; Built cloud infrastructure solutions; Implemented Docker & Kubernetes orchestration; Developed high-performance Node.js applications; Worked on database architecture & optimization; Architected RESTful APIs and GraphQL endpoints; Managed projects using Agile methodologies.

Technologies: Python, Node.js, AWS, GCP, Docker, Kubernetes, MongoDB, PostgreSQL, Redis, WebSocket, RESTful APIs, GraphQL, Agile

Lead Cosmos SDK Engineer & DAG Architect, Custom Cosmos SDK Blockchain and BlazeDAG Protocol

Duration: 02/2018 - 12/2023

Summary: Architected custom Cosmos SDK blockchain and separate high-performance DAG protocol achieving unprecedented performance metrics

Responsibilities: Developed and maintained custom Cosmos chain; Built Bitcoin-Cosmos Bridge and UTXO system integration; Architected dual consensus algorithms; Employed TSS MPC for enhanced security; Configured Cosmos chain oracle module; Developed CosmWasm smart contracts for DeFi; Led high-performance DAG protocol design; Built cloud infrastructure and CI/CD; Created custom modules for incentivized smart contract platform and governance; Mentored team members and collaborated with stakeholders for smooth mainnet launch.

Technologies: Cosmos SDK, Bitcoin Core, TSS/MPC, CosmWasm, AWS/GCP, GoLang, Docker, Kubernetes

Senior Cross-Chain Developer & Smart Contract Architect, Rome Network Bridge and DeFi Solutions

Duration: 01/2024 - 06/2025

Summary: Led the development of Rome network bridge infrastructure connecting Solana-based Ethereum L2 with smart contract ecosystems

Responsibilities: Engineered Rome Network Bridge with Bitcoin L2 integration; Architected and deployed wBTC and wETH smart contracts; Developed smart contracts on Solana using Rust; Implemented TSS consensus for cross-chain smart contract systems; Designed Layer 2 scaling solutions; Created backend for DEX platform; Spearheaded development of decentralized lending and staking platform; Built Rollup mechanism for L2 networks and integrated Bitcoin network for Data Availability; Managed infrastructure and DevOps, and optimized microservices architecture.

Technologies: Solidity, Rust, Bitcoin, Ethereum, Solana, DAG, GoLang, RESTful APIs, Chainlink, AWS/GCP, Docker, Kubernetes



EDUCATION

- **Sonoma State University**
- Bachelor's Degree
- 05/2012 - 05/2016

