

Christopher Gilbert

chris@100x.dev
1-207-899-9895
linkedin.com/in/Oxgilbert
https://100x.dev

Skills

- Decentralized architecture and design
- Highly available enterprise-grade systems
- Reliability engineering, Scalability
- Security as a first-class feature
- Agile project leadership, Scrum, Kanban
- Team management, mentoring, leadership
- Hiring and training remote-first teams
- Verbal and written communication
- SaaS, AWS, GCP, Microservices, Serverless
- Python, JavaScript, Node, Solidity, PHP
- MySQL, Aurora, MongoDB, Postgres, Redis
- Laravel, Flask, Quart, Django, FastAPI
- Angular, React, Ethers, Web3, Wagmi, Privvy
- Docker, Kubernetes, ECS, Fargate, Cloudrun
- Jenkins, GitHub, Confluence, Jira, CI/CD/CD
- Kubernetes, Cloud native development

Experience

2022 – PRESENT

Chief Technical Officer / Elixir Protocol, New York, NY

Co-founder and CTO of Elixir, all decisions run through me. I oversee all technical aspects of the company, including hiring and managing a team of engineers, setting up development processes, and building the technical roadmap. I designed and coded the first version of the protocol, a full DPoS network that does algorithmic market-making won centralized exchange pairs. I spun up our AWS infrastructure from scratch, which includes designing and implementing a secure and scalable cloud architecture to support our platform's growth to 22,000 validators. I work closely with our CEO and COO to ensure that our technical decisions are aligned with our strategic priorities. In addition to my technical duties, I played a key role in fundraising efforts, meeting with investors, and presenting our technology to business partners.

Overall, my experience as a CTO has allowed me to leverage my technical expertise to build a successful blockchain protocol from the ground up while also managing and leading a team of engineers my ability to balance technical and business considerations combined with my deep knowledge of blockchain technology and cloud infrastructure has enable me to turn our vision into a secure, scalable, and innovative platform with widespread recognition in the industry.

Accomplishments

- Developed and implemented a distributed consensus algorithm for our DPoS network, ensuring fast transaction processing times and high network throughput for algorithmic market making.
- Designing and implementing a high-performance market-making engine that uses a modified Avellaneda-Stoikov strategy for delta-neutral market-making on central limit order books.

- Implementing robust security mechanisms through token economics, dedicating a security budget and crypto-economic incentives to the protocol.
- Recruited, interviewed, hired, and trained all engineering staff and lead the team as an individual contributor following Lean engineering methodologies.
- Designed and implemented all AWS architecture and DevOps practices, including IAM, ECS and EC2 infrastructure, Autoscaling, and data pipelines.
- Assisted the CEO in all fundraising efforts, from Seed round to an \$800 million Series B.

2021 – 2022

Technical Lead / Tokensoft, Austin, TX

Tokensoft brought me on after their successful Seed round to help accelerate and grow their R&D division in the wake of the CTO stepping back from day-to-day operations. I wore many hats at the company, serving as a manager and mentor to developers, an architect to the business team, and a director aligning engineering efforts across lines of business.

Accomplishments

- Quickly assuming responsibility after a streak of departures of the core team.
- Finding process bottlenecks and targeting releases to accelerate token launches resulting in a 5x increase in launch volume and more revenue in Q4 than in Q1-3 combined.
- Merging engineering paradigms and reporting structure in the R&D organization across multiple lines of business.
- Leading the hiring processes across the company to build a world-class, remote-first engineering organization.

2012 – 2021

Principal Engineer / IDEXX Laboratories, Westbrook, ME

Originally hired as a build automation contractor, I was brought on full-time in less than a year and grew within the organization through multiple promotions, becoming the Technical Lead for two teams. Instrumental in the acquisition of IDEXX Neo, building a team and bringing the product's code up to company standards. As the technical lead, I spearheaded process improvements and restructured the team to increase the yearly release rate by a factor of 8x over two years while increasing reliability and reducing defects. Working across the organization, and in close coordination with product, Neo became the flagship Practice Information Management Software in the US, Canadian, and Australian markets.

Accomplishments

- Assembled an international, remote-first team of 15-25 people and through strong leadership mentored them to maximize their skills and potential.
- Lead the transition to Kanban and reorganized the team to take product from a monthly release cycle to multiple deployments per week.
- Implemented a strategy to support partnerships and product initiatives through integrations that provide customers with a rich ecosystem to maximize efficiency.
- Architected internal integrations with complimentary services, differentiating our product and leading to 29% year-over-year growth.
- Integrated patient health data with machine learning and AI diagnostics pipelines.

- Integrated third-party applications—Credit Card Processing, Diagnostic Orders, Electronic Medical Records, and Whiteboarding.

2017 – 2019

Blockchain R&D Lead / IDEXX Laboratories, Westbrook, ME

While leading an engineering team at IDEXX, I conceived of a blockchain-based chain-of-custody system to track diagnostic samples across our global organization. I pitched this project and received funding for a research team to prototype solution built on an in-house blockchain. I brought together a cross-functional from sources across the company and led that team until the project's end.

Accomplishments

- Recruited and led an innovation team which built out an Ethereum-based blockchain system for chain-of-custody tracking, auditing, and management.
- Developed and launched a private blockchain network inside the organization.
- Built a CI/CD pipeline for managing the software development cycle of Web3 tools.
- Oversaw the internal recruitment efforts across the organization and assembling a team of 7.
- Responsible for capital allocation requests and project management.

2010 – 2012

Web Developer / VillageSoup, Rockland, ME

2007 – 2010

Development Manager / WhatIf Networks, Portland, ME

2007 – 2010

Developer / Insurance Automation Group, Westbrook, ME

Education

2006

B.S. Computer Science / University of Maine, Orono

- Created online video transcoding and streaming service—an archive of digital video for the New Media Department's computer lab as a capstone project.
- Facilitated the University of Maine's telepresence at ACM SIGGRAPH 2005 via Access Grid over Internet2 multicast.

Open Source Projects

- SocksiPy - A Python SOCKS client module. This module was designed to allow developers of Python software that uses the Internet or another TCP/IP-based. Included as part of the Google Cloud Platform's Python API.
- PyLoris - A scriptable tool for testing a server's vulnerability to connection exhaustion denial of service (DoS) attacks. The leading Denial of Service attack against Apache for over a decade, heavily used by nation-states and hacktivists globally.