

CHRISTOPHER SHERMAN



shermandigital.com/contact

Full stack expertise allows me to deliver a holistic approach that gets results. I build apps that function online/offline across all devices, deploy and scale effortlessly, and are reliably backed by automated tests.

PROFESSIONAL EXPERIENCE

Cloud Architect & Engineer | Sherman Digital 2013-Present

Deliver software architecture, implementation, and automation services for clients such as Virginia Tech, Broadway League, MITRE Corporation, and Maui MedSpa

- Develop secure, performant APIs using ExpressJS & PostgreSQL
- Implement highly interactive, custom experiences with Angular
- Automate development workflow with Docker, Helm, K8s, & CloudFormation
- Securely manage user authentication/authorization via FusionAuth
- Offer extensible payments solution built on Stripe API

Sr. Software Engineering Manager | Fungible 2021-2022

Software Engineering Manager 2019-21

Designed and implemented composable cloud platform for next-gen data centers

- Served on architecture team defining platform's microservices architecture
- Engineered micro-frontend applications consuming APIs via OpenID Connect
- Collaborated with User Experience team to implement custom design system
- Implemented Node.js (Hapi) web server
- Defined OpenAPI specifications consumed by public and private API clients
- Optimized data model for consistency, availability, and partition tolerance
- Authored Docker, K8s, and Helm files, enabling seamless service interop
- Founding employee of Compose.Cloud (acquired by Fungible in 2020)

Software Engineering Manager | Cloudistics 2018-20

Senior Software Engineer 2016-18

Frontend Software Engineer 2015-16

Built a private cloud platform and managed a team of 10 front end engineers

- Devised front-end architecture for cloud management platform from ground up
- Served on architecture team responsible for R&D of new features
- Managed geographically distributed engineers as a cohesive team
- Redesigned Cassandra data model, web API, and UI to reduce latency by 96%
- Crafted Docker environment that reduced workspace deployment time by 95%
- Designed core entities of PostgreSQL relational data model
- Invented technique to maintain performance in excess of 2K AngularJS bindings
- Created repeatable interviewing, onboarding, and mentoring processes
- Formulated performance eval., sprint, and continuous improvement processes

EXPERTISE

TypeScript	██████
Node.js	██████
Angular	██████
RxJS	██████
Redux	██████
CloudFormation	██████
AWS Lambda	██████
Docker	██████
Kubernetes	██████
Helm	██████
PostgreSQL	██████
Cassandra	██████
Jest/Jasmine	██████
HTML	██████
Sass/SCSS	██████
Git	██████
Hugo	██████
GitHub Actions	██████
AWS CodeBuild	██████

ENDORSEMENTS

Chester Knapp, Director

Managed me directly

"Chris is a superb software leader who I've had the pleasure of working with for seven years. During this time, he has grown from a high-impact individual contributor to an effective leader of small and large teams. Chris' expertise in cloud technologies spans frontend, API, database, and orchestration technologies, allowing him to work across teams."

- 19th engineering hire for venture-funded startup (acquired by Lenovo in 2019)
- Consulted and trained Lenovo for 12 months to ensure successful acquisition

Lead Developer for Financial Apps | Virginia Tech 2012-15

Designed, implemented, and managed software projects for the VP for Finance

- Developed responsive app for editing and reporting on \$320M in salaries
- Led project team implementing university funding app handling \$13M annually
- Designed and led application developer internship program
- Spearheaded transition from local servers to Microsoft Azure cloud platform
- Served on Finance IT search and interview committee

Software Developer | Deloitte Consulting 2011-12

Developed a National Security Agency CRM web application

- Built light-weight, .NET MVC application for limited bandwidth devices
- Developed caching and file dependency system, reducing page load 75%
- Implemented UI preference persistence for users across multiple applications
- Recruited and performed candidate screening at college recruiting events

Financial Systems Intern | Virginia Tech 2010-11

Developed financial software and assisted project management activities

- Refactored navigation and search functionality of PHP + MySQL finance app
- Drafted plan for custom Windows imaging system, reducing build time 90%
- Queried and reported on data from university's Oracle Enterprise Database

EDUCATION

Virginia Tech | Pamplin College of Business GPA: 3.96 | Rank: 7 of 1,083

B.S. Decision Support Systems Rank: 3 of 92

B.S. Finance Rank: 2 of 235

Virginia Tech Cheerleading 2007-11

- Best All-Around Varsity Male Award 2010-11
- Strength & Conditioning Athlete of the Year Award 2010-11
- Varsity Rookie of the Year Award 2008-09
- Most Improved Junior-Varsity Male Award 2007-08

Virginia Tech Student Services Committee 2007-08

- Devised trayless dining initiative which reduced dining hall food waste by 38%

Treasurer, Vawter Hall | Residence Hall Federation 2006-07

- Managed budget, produced financial reports, and authorized expenses

Ryan Waite, Engineer

Reported to me directly

"Christopher was an awesome Team Lead and has all the qualities wanted/needed out of a manager and leader: attentive, attention-to-detail, problem-solver, integrity, honest, goal and mission oriented, personable and more. It was my first software engineering role and by far the most challenging. I've been able to learn a lot and progress in the software engineering field thanks to the work environment I was in. If you have Christopher on your team, rest assured that the job will get done and done right."

Herman Wu, Team Lead

Reported to me directly

"Christopher truly cares about everyone on his team. He is someone who is willing to listen to others' feedback while being able to help the team work towards a common goal. He is good at breaking a large project into smaller parts and assigning them to people according to their strengths and interests. The team never fails to deliver on commitments, and everyone works efficiently and effectively under his management."

"Christopher is also obsessed with creating high-quality products. He stays up-to-speed with the latest technology and thinks about ways to improve our application as the main architect. I have learned a lot from his code and peer reviews."