

CHRISTOPHER SHERMAN

I engineer fast, scalable applications powered by the cloud. My expertise in software engineering, team leadership, and project management enables me to deliver a holistic approach that generates results. Let's explore the value I can bring to your organization.



<https://shermadigital.com>
chris@shermadigital.com

PROFESSIONAL EXPERIENCE

Software Engineering Manager | Fungible

2019-present

Design and implement composable cloud platform for next-generation data centers

- Serve on architecture team defining platform's microservices architecture
- Engineer micro-frontend applications consuming APIs via token-based auth
- Collaborate with User Experience team to implement custom design system
- Implement Node.js-based web server
- Define OpenAPI specifications consumed by public and private API clients
- Author Docker, K8s, and Helm files, enabling services to seamlessly interoperate
- 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 while managing 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 with excess of 2,000 AngularJS bindings
- Created repeatable process for interviewing, onboarding, and mentoring engineers
- Formulated performance evaluation, sprint, and continuous improvement processes
- 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 Applications | Virginia Tech

2012-15

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

- Developed responsive app for editing, reporting, and processing \$320M in salaries
- Led project team implementing funding and reporting app handling \$13M annually
- Designed and led application developer internship program
- Spearheaded transition from on-site servers to Microsoft Azure cloud platform

EXPERTISE

TypeScript	██████
JavaScript	██████
Sass/SCSS	██████
HTML	██████
Angular	██████
Jasmine	██████
RxJS	██████
Redux	██████
Webpack	██████
Node.js	██████
PostgreSQL	██████
Cassandra	██████
Docker	██████
Kubernetes	██████
Git	██████

CAUSES

CoderDojo

2015-2020

CoderDojo is a global movement of free coding clubs. I help young people develop their problem-solving skills while creating apps, websites, games, and more.

Habitat for Humanity

2015-Present

I enlist businesses and individuals to devote the resources necessary for carrying out Habitat's mission of making

- 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 mobile devices with limited bandwidth
- Implemented caching and file dependency system, reducing page load 75%
- Developed UI preference persistence for users across multiple applications via AJAX
- Served as a recruiter 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 financial sourcebook
- Drafted plan for custom Windows imaging system, reducing build time 90 percent
- 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 percent

Treasurer, Vawter Hall | Residence Hall Federation 2006-07

- Managed budget, produced financial reports, and authorized expenses

home ownership affordable for families in Washington, D.C.

- Fundraising & Events Co-Chair in 2016-17, during which time we doubled our fundraising