

Summary

My experience spans application architecture, software engineering, and project management, enabling me to deliver a holistic approach that generates results. I specialize in web technologies that power cloud software.

Expertise

JavaScript, TypeScript, C#, Java, Sass, Angular, KnockoutJS, Twitter Bootstrap, Zurb Foundation, Gulp, .NET MVC, Entity Framework, Spring, Hibernate, PostgreSQL, SQL Server, MongoDB, Azure, D3

Experience

Senior Software Engineer

2015-Present

Cloudistics

Architect and develop Cloudistics cloud management platform

- Devised and implemented front-end architecture for cloud management platform from ground up
- Engineer Angular directives to enable complex user interface interactions
- Invented mechanism for maintaining performance on views with excess of 2,000 Angular bindings
- Lead search, interview, and mentorship of front-end engineering team
- Designed Spring/Angular multi-factor authentication and RBAC solution
- Create custom charts for presenting temporal and spatial data
- Integrated automated unit testing of front-end components into build process
- Develop reusable validators and filters to standardize input and display of data
- Draft architecture documents for new features, break out user stories, and estimate task complexity

Lead Developer for Financial Applications

2012-2015

Virginia Tech

Managed, architected, and developed technology initiatives for Vice President for Finance

- Developed responsive app for editing, reporting, and processing \$350M in salaries
- Led project team and built funding request and reporting app handling \$13M annually
- Designed and managed application developer internship program
- Led transition from on-site servers to Microsoft Azure cloud platform
- Engineered classifieds advertisement app via Durandal, .NET Web API, and MongoDB
- Formulated project plan and led meetings for internal classifieds project
- Developed responsive departmental websites with Zurb Foundation and Umbraco
- Served on Finance IT search and interview committee

Software Developer

2011-2012

Deloitte Consulting

Developed and enhanced a National Security Agency .NET/Oracle CRM web application

- Implemented caching and file dependency system, reducing page load 75%
- Built light-weight, .NET MVC application for mobile devices with limited bandwidth
- Automated form field population with HTML5 local storage
- Developed UI preference persistence for users across multiple applications via AJAX
- Formulated and presented UI enhancement proposal for client consideration
- Served as a recruiter and performed candidate screening at college recruiting events

Education

Virginia Tech

GPA: 3.96 | Rank: 7 of 1,083

B.S. Business Information Technology

Rank: 3 of 92

B.S. Finance

Rank: 2 of 235

Economics minor