

I am a technology leader with expertise at implementing software solutions with cloud, web, mobile and embedded applications and have a diverse background in the transportation industry.

Qualifications

- Effecting change throughout large organizations using communities of best practice, architectural governance and processes driven by quantifiable metrics
- Mentoring leaders and fostering a culture of servant leadership in order to enable effective decision making and accountability
- Ability to guide and influence in a cross functional matrixed organization
- Experience in leveraging lean agile methodologies to deliver incremental minimum viable products resulting in rapid business value
- Proven ability to quickly manage priorities, problem-solve and resolve conflicts
- Expert in creating and implementing complex technology roadmaps
- Practices big picture thinking and stays current with emerging technology trends
- Strong business acumen and experience managing budgets
- Works well with customers and understands customer and user needs
- Ability to communicate complex architectural, technology and design concepts to both executives and engineers in an understandable way

Professional Experience

PRINCIPAL ARCHITECT – OFFICE OF THE CTO

Jul 2016 – Present

GE Transportation, Chicago, IL

- Provide architecture leadership to teams across the organization
- Establish and maintain reference architecture and best practices for new projects and product evolution
- Drive organization communication and alignment through training, documentation, and communities of practice
- Champion adoption of Scaled Agile Framework and provide inputs for technical enablers on portfolio level value streams
- Create a resource strategy and grow developer community
- Lead innovation team and build connective tissue applications
- Support implementation of design thinking for the product investment process
- Help evaluate and support partnerships, investments, and acquisitions

SOFTWARE DIRECTOR

Jan 2015 – Jul 2016

GE Transportation, Optimization Solutions, Atlanta, GA

GE Transportation, Digital Solutions, Chicago, IL

- Led Atlanta software engineering teams, drove resourcing for growth cycle, and restructured organization in engineering teams

- Established new software center in Chicago, hired first 100 software engineers and leaders, created culture of best practices and knowledge transfer
- Implemented agile practices and project gating process across teams
- Drove implementation of CI/CD, test automation, quality metrics, and tooling standards across teams; created plans to pay down legacy technical debt
- Supported globalization efforts with successful transition of two products

PRODUCT ARCHITECT LEADER

Jan 2013 – Dec 2014

GE Transportation, Optimization Solutions, Atlanta, GA

- Responsible for technology vision and roadmap for all software products
- Primary liaison to Software COE (Center of Excellence) to help groups align to GE software tools and technologies, and provided requirements to COE platform teams
- Leveraged shared technologies from across the GE organization
- Created architectural plans and multi-generational technology plans
- Involved in planning and executing activities for cross-product software integration and interoperability objectives
- Drove user experience standards and best practices across organization
- Leading mobile application efforts across business
- Supported education / training needs of engineering staff across organization
- Responsible for development practices, agile processes and tools
- Lead intellectual property protection efforts for new and future development

DIRECTOR SOFTWARE ENGINEERING

2005 - 2013

GE Transportation, Optimization Solutions, Jacksonville, FL

Led software engineering teams for the RailDOCS products which provided Asset Management, Project Management, and Governing Compliance SaaS solutions for class-1, shortline, and transit railroads.

- Managed software engineering teams
- Set the technical direction and product roadmap
- Drove record growth in custom development projects
- Led creation customer of proposals, and customer and vendor contracts
- Accountable for operating and capital budgets

CONSULTANT / OWNER

2003 - 2005

MerchantJet / WebsiteJet

- Developed web-based e-commerce software as a service application.
- Website hosting and administration services

PRINCIPAL DEVELOPER / SYSTEMS ENGINEER

1996 - 2005

Sizzling Studios

- Developed web applications to support over 300 real estate agencies.
- Management of Linux Application Servers and Email Services.

Education

BS, Computer Science, Central Michigan University

2005

Engineering Professional Development Courses, University of Wisconsin

2011

Technical

- Cloud, Web-based, Mobile, Embedded Applications
- Micro-services, Data Ingestion / Streaming, Analytics, Optimization
- JavaScript, Python, Java, Go, C, C++, Objective-C, Perl, .Net, HTML5/CSS3
- Architecture Diagrams, Patents, Technical Writing
- Agile / UX Process, Engineering Project Planning, Resource Planning