
Summary

- Experienced technology leader with a proven track record of building teams, driving change, and delivering scalable, reliable software.
- Creative problem solver who believes in building reliable solutions that delight customers.
- Organized and pragmatic product leader who champions data-driven decision making.

Major Accomplishments

- **Built, Mentored, and Led Multiple Agile Software Engineering Teams** - Created programs to help developers bootstrap in new technology through Lunch-and-Learn programs, code structure generators and templates on GitHub. Collaborated with Product and Technology team members to create efficient Scrum SDLC.
- **Created Modern Real-time Analytics Engine** – Using best-in-class tools, created modern streaming data analytics platform with a cross-functional group of 50+ developers, architects, leads, QA analysts, and Product Managers. Developing in-house data-streaming applications based on AWS API Gateway, NodeJS based AWS Lambda Functions, and AWS Kinesis (Kafka) queues (among others) to deliver scalable, resilient data platform. Integrated Looker BI into custom white-labeled Energy Intelligence solution with Angular and NodeJS services to offer customers custom, real-time reporting, scheduling, and alerting.
- **Transformed Deployment Pipeline** - Led project to create custom continuous integration and delivery implementation pipeline for modern NodeJS REST API and Angular web applications. Implemented comprehensive automated unit, integration, and functional testing strategy. Set and achieved goal of averaging 80%+ across all team projects. Built out end-to-end or functional test suite utilizing Chimp ensuring critical path test execute with each build.

Professional Experience

Senior Manager, Software Engineering, DraftKings, Boston, MA Oct 2016 – Present

- Led all phases of software delivery for Front-End Engineering Division of three squads.
- Transformed Web Development division SDLC process from free-form development to a streamlined Agile / ScrumBan focused team capable of delivering projects on-time.
- Implemented active, individual led career development with developers, architects, tech leads, and managers using custom developed Skills Analysis and Action Planning Templates.
- Actively managed quality during development and maintenance phases of the Product Development Lifecycle by integrating SonarQube for Continuous Quality Management; aggregating Unit Test Code Coverage, OWASP, code smell, bug, and vulnerability data across all code bases in a central repository that enabled the team to catalog, prioritize, and pay down technical debt
- Established Architecture Roadmap Development Process to enable collaboration between Technology and Product Leadership in better understanding and scheduling platform updates to ageing components and engage developers in collaborative, iterative design
- Technologies used: JavaScript, React, Redux, Yarn, LoDash, Chimp, Jest, New Relic Browser and Insights, BrowserStack, Jira Bamboo, Elastic Search, Logstash, Kibana, C#, ASP.NET MVC 5

Professional Experience, continued

EnerNOC, Boston, MA

Oct 2011 – Sep 2016

Senior Manager, Software Engineering, EnerNOC Labs, Boston, MA

Jan 2016 – Sep 2016

- Recruited and on-boarded team to fifteen engineers spanning three sprint teams, led by tech leads, principals, and architects.
- Championed culture for high-velocity, accountable delivery; shipping in small, quick increments.
- Built real-time streaming data collection system with several new Amazon Web Services, including: API Gateway, Kinesis (Kafka), Lambda.
- Led vendor evaluation for modern, white-labelled BI vendor to launch new Energy Intelligence SaaS solution. Completed quick six-week analysis covering security, scheduling, API integration, internationalization, white labelling features, and licensing models.
- Responsible for all phases of personnel management including hiring strategy, collaborating with talent acquisition, establishing interviewing process, executing annual and mid-year performance management reviews, establishing regular one-on-one sessions, giving real-time feedback, and escalating employee issues as necessary.
- Technologies: Java, JavaScript, MEAN Stack: Mongo, Express, Angular, Node, PassportJS, D3.js, Splunk, Docker, Terraform, AWS: S3, RDS, API Gateway, Lambda, Kinesis, SQS, SNS, ECS

Manager, Software Engineering, EnerNOC Labs, Boston, MA

Apr 2014 – Dec 2015

- Recruited and grew the initial RAD team into EnerNOC Labs, comprising ten software engineers organized in two agile delivery teams.
- Worked cross-functionally with Engineering, Operations, and Marketing; acting as tech lead, product manager, and scrum master for both teams.
- Built modern, responsive energy price data visualization web application for customers and partners UI design with AngularJS, Bootstrap, Foundation, jQuery.
- Launched Building Optimization Platform – a set of energy savings identification algorithms, an interactive web based dashboard and task workflow system built on Ruby on Rails, Scala, and Akka.
- Integrated fully automated, global demand response software with OpenADR XMPP based protocol framework for smart energy infrastructure integration. Successfully led customer integration with several international grid operators, utility companies, and enterprise customers.
- Rapidly led integration project with key partner, SunPower, to deliver Solar Savings Report in under three months, enabling customers to receive tariff-accurate projected savings from their solar array installation. Collaborated across several key application, data, operations, and support teams in EnerNOC and at SunPower to ensure proper data integration, customer enablement, and report QA/validation tasks.
- Set the standard template at EnerNOC for cloud-first continuous integration and delivery pipeline automation with Amazon Web Services EC2, ECS, Docker, OpsWorks, VPC, Jenkins, and Chef
- Championed Test-Driven Development with Istanbul, Mocha, and Jenkins; ensuring code coverage of at least 80% in all projects with proactive monitoring on all pull requests and release.
- Technologies: JavaScript, Java, Scala, Ruby on Rails, Chef, Docker, MEAN Stack: Mongo, Express, Angular, Node, PassportJS, D3.js, Splunk, AWS: S3, RDS, SQS, SNS, OpsWorks, Elastic Container Service

Professional Experience, continued

Senior Software Engineer, EnerNOC Labs, Boston, MA

Apr 2013 – Apr 2014

- Bootstrapped a New Markets Product Development: Rapid Application Development group from the ground up. Responsible for recruiting software engineers, roadmap definition with Product Marketing, and serving as Project Manager reporting progress to senior leadership.
- Designed, Built, and Deployed highly available demand response operations portal and real-time interval data integration Message/Event Processing system with Ruby on Rails, MySQL (AWS RDS), Redis (AWS ElastiCache), RabbitMQ (AWS SQS).
- Designed and built automated continuous integration and delivery pipelines with Jenkins, AWS Elastic Beanstalk, and AWS OpsWorks / Hosted Chef Server.
- Usage based auto-scaling with Auto-scaling group configuration.
- Front-end development with Bootstrap, jQuery

IT Applications Developer, EnerNOC, Boston, MA

Oct 2011 – Apr 2013

- Halved payment delivery time with customer payment process automation.
- Developed single stream of statements and bank checks that included markings to control stamp automated document folding, enveloping, and postage systems. System utilized C# and Crystal Reports for document generation and a WinForms app for secure, authorized, auditable log of statement access and check generation.
- Developed custom financial settlement system with C# ASP.NET MVC on the Oracle Utilities (Lodestar) platform.
- Developed, maintained, enhanced in-house Supply Chain and Inventory Tracking software with Java and Stripes MVC framework.
- Streamlined corporate communications by consolidating four different wiki solutions onto shared confluence space for whole organization.
- Organized and led several introductory SQL courses for Operations, Marketing, and Finance.

Business Intelligence Developer, Monster.com, Cambridge, MA

Jan 2011– Oct 2011

- Develop and maintain Monster's data warehouse staging and load scripts consisting of 2,000+ SSIS based ETL packages.
- Developed C# automation tools to create Salesforce.com to MS SQL ETL based integration.
- Lead analyst and developer on Monster's Facebook app for professional networking: "BeKnown".
- Created C# tools to generate SSIS ETLs that translate MongoDB data structures to Microsoft SQL star schema data warehouse.

Co-founder & Coder, Juniperks, Cambridge, MA

Jan 2010 – Oct 2011

- Juniperks, a social networking game where members focus on completing meaningful, real world challenges, sharing those experiences and inspiring others to make a difference in the world.
- Built social engagement platform with C# ASP.NET MVC and Microsoft SQL Server. Integrated with Facebook and Twitter for simple sign-up and authentication.

Professional Experience, continued

Business Intelligence Developer, Granite Telecom, Quincy, MA Sep 2010 – Dec 2010

- Evaluate viability and advise go-forward path for on-going MSSQL / SSIS telecommunications data warehousing project.
- Assessed data storage requirements and plans and worked with Technology and Business Operations Management to ensure proper resources for planned lifecycle of solution totalling over 6 Petabytes of call detail, origination, and billing records data warehouse.
- Planned, executed, and completed initial data warehouse load of 10 years data.
- Designed, developed, and delivered invoicing and financial reporting for new business venture GraniteGuard, leveraging and integrating with existing customer data management systems.
- Technologies: SQL Server Integration Services, SQL Server Reporting Services, C#

Team Lead, Information Services, Pri-Med, Boston, MA Jul 2006 – Aug 2010

- Offshore Development Lead with ten developers based in India, specializing in Crystal Reports, QlikView and database development.
- Partnered with executive and senior leadership to deliver new analytics, integrate vendors and fulfill reporting obligations to customers on time and within budget.
- Database Administration for all enterprise databases systems including query tuning, index design, implementation, backup and disaster recovery planning.
- Researched cutting edge server virtualization technologies and performed vendor analysis and comparison.
- Pitched and gained support for migrating servers to more cost-efficient VMWare ESX based virtual infrastructure, providing \$200K ROI in first year.
- Implemented Business Activity Monitoring solution, saving \$100K per year by automating customer facing email marketing stream.

Operations Specialist, WebGen Systems, Cambridge, MA Dec 2003 – Jun 2006

- Led a team of interns responsible for data quality and billing system reconciliation processes.
- Developed SQL scripts and stored procedures to automate several key business processes.
- Created customer billing operations dashboard with Crystal Reports and C# ASP.NET.
- Acted as IT Administrator owning Exchange and Database Administration including ensuring timely server builds, maintenance, backup operations and validation.

Volunteer Experience

Mentor, YearUp, Boston, MA 2013 – 2016

- Year Up empowers low-income young adults to go from poverty to professional careers in a single year.
- Weekly meet-up for life-skills mentoring with YU Mentee to assist in bridging the opportunity gap.

Board Member, Aid Workers Network, London, UK (Remote) 2009 – 2012

- Aid Workers Network is a free service set up to enable aid workers to share practical advice and resources with 20,000 development and aid work professionals.

Education

B.S., Computer Science, **Wentworth Institute of Technology** 2005