

Full stack developer with a B.S. in Computer Science and 5 years experience, with extra focus on web backends and relational databases. Also experienced with containerization and microservices, testing, and agile development.

Senior Node.js Developer	August 2017 - Present	Social Security Administration / Northrop Grumman (Subcontractor) Baltimore, MD
Responsibilities:		
<p>Sammons Development LLC (me) subcontracting for Florez Group subcontracting for Northrop Grumman at the Social Security Agency on the Disability Case Processing System (DCPS) project:</p> <ul style="list-style-type: none"> <li>• Write database changesets and data conversions in Postgres.</li> <li>• Build Express REST endpoints in Node.js and document using RAML and JSON Schema.</li> <li>• Provide peer review for Node.js pull requests in Stash.</li> <li>• Production support; write SQL to fix production data, analyze Splunk logs with alerts and dashboards.</li> <li>• Demo or discuss features with product owners and project executives.</li> <li>• Raise actionable suggestions related to architecture, security, performance before problems arise.</li> <li>• Participate in Agile story estimation and requirements development with stakeholders.</li> <li>• Contribute to evolving code conventions and tool usage working with Node.js.</li> <li>• Summarize status in weekly reports with value-add statements.</li> <li>• Track and estimate work in VersionOne.</li> </ul>		

Senior Software Engineer	February 2016 - August 2017	Hyperfish Kirkland, WA
Responsibilities:		
<ul style="list-style-type: none"> <li>• Collaborate in a small Agile team, &lt; 5 engineers, and 2nd backend engineer.</li> <li>• Design and implement Node.js REST endpoints to support UI using Restify.</li> <li>• Architect and implement TypeScript Node.js microservices.</li> <li>• Utilize distributed locks on tenant-wide operations using Redis.</li> <li>• Apply tenant-based queue sharding using consistent-hash-exchange in RabbitMQ.</li> <li>• Implement RPC microservice endpoints with TypeScript and Apache Thrift.</li> <li>• Log contextual data to Elasticsearch to aid log-analysis using Kibana.</li> <li>• Write and deploy dockerized services via Github, Travis CI, Docker Cloud, and Azure.</li> <li>• Document, estimate, and track story progress in Jira.</li> <li>• Support production on rotating call in PagerDuty; write immediate patches as necessary.</li> <li>• Write SQL queries to export metrics and product summary data.</li> <li>• Integrate with Microsoft Graph, Sendgrid, Microsoft Cognitive Services, Drip, and Auth0.</li> </ul>		

Software Engineer	November 2014 - December 2015	Dwolla San Francisco, CA (Office) Des Moines, IA (HQ)
Responsibilities:		
<ul style="list-style-type: none"> <li>• Design and implement Scala and C# financial microservices.</li> <li>• Derive historical events from a legacy accounting system and replay into new system.</li> <li>• Enhance new accounting system to reconcile over arbitrary time ranges.</li> <li>• Implement new Scala REST endpoints and enhancements in the Dwolla White Label API.</li> </ul>		

- Enhance developer Vagrant environment managing dozens of dockerized microservices.
- Present and defend architecture and migration plans to 20+ person engineer team.
- Use JIRA to document, estimate, and track Agile project progress.
- Implement enhancements to legacy C# monolith which triggered financial transfers.
- Update MVC3 C# and JavaScript UI with new screens providing historical data export.
- Collaborate and participate in team from satellite office with Slack, Hangouts.

Software Engineering Intern	June 2014 - August 2014	Garmin Olathe, KS
Responsibilities:		
<ul style="list-style-type: none"> <li>• Write C++ module to process third-party data into new Canadian obstacle maps.</li> <li>• De-duplicate obstacles across multiple vendor data sets, providing simpler obstacle data.</li> <li>• Rewrite unmaintained Perl log parsing script into Python.</li> <li>• Adapt long-running (8hrs+) C++ Airport map project to intake new third-party data.</li> <li>• Implement data integrity check for a Garmin packed database on an SD card in C.</li> </ul>		

Database Developer	August 2013 - May 2014, August 2014 - November 2014	Trulaske College of Business Columbia, MO
Responsibilities:		
<ul style="list-style-type: none"> <li>• Migrate Microsoft Access (VBA) applications to C#.NET and PHP on IIS.</li> <li>• Write T-SQL and DDL for application to integrate with database.</li> <li>• Design and implement applications from non-technical requirements.</li> <li>• Drive integration of Git when no version control previously existed.</li> <li>• Guide other student devs in solving PHP and C# application development blockers.</li> </ul>		

Software Developer Intern	June 2013 - August 2013	Archer Daniels Midland Crop Risk Services Decatur, IL
Responsibilities:		
<ul style="list-style-type: none"> <li>• Enhance and patch VB.NET AEROS system; check work into Team Foundation Server.</li> <li>• Document story work for downstream manual QA.</li> <li>• Regularly troubleshoot and enhance large (500 line+) T-SQL procedures.</li> <li>• Write C# multithreaded parser and T-SQL procedures to index the codebase.</li> <li>• Use index to search for T-SQL Procedures lexically nearest given stack trace location.</li> <li>• Automate reports for internal auditors using Microsoft SSRS.</li> </ul>		

Game Developer	April 2012 - May 2012, August 2012 - May 2013	iSocial Lab Columbia, MO
Responsibilities:		
<ul style="list-style-type: none"> <li>• Analyze and re-implemented MT-Game Java code.</li> <li>• Create prototype world in UDK3 with custom UnrealScript.</li> <li>• Experiment with Unity 3D to test capabilities related to iSocial.</li> <li>• Prototype changes in Open Wonderland Java backend.</li> </ul>		

- Integrate positional audio with UDK3 in a multiplayer setting.