



# Steven Burrell

## Senior Software Engineer

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Software Engineer with 10+ years of real-world experience in developing and implementing modern software solutions. Skilled in both front and backend development, databases, APIs, Agile/iterative workflows, and code automation. Demonstrated history of delivering innovative software solutions, creating customer first designs, leading and managing developers, and generating value and cost-savings for businesses. Exceptional public speaking skills and a passion for staying current with emerging technologies including AI. Seeking to leverage my expertise to help create cutting edge software in a constantly changing code driven future.

## Professional Experience

### LUMEN Technologies Broomfield, Colorado Senior Software Engineer

November 2017 – April 2024

- Built an automation framework for users to create their own autonomous workflows that could execute code, call 3rd party APIs, make decisions and call sub flows. The application was estimated to have saved the company 5,000 working hours every month.
- Designed and engineered an application that allowed NOC technicians across the globe access to real time data for devices on the LUMEN network. The application processed 10,000+ alerts per minute while allowing for complex search and data modifications across millions of standing alerts with average response times of less than 200 milliseconds.
- Developed a company-wide paging and notification system for field technicians. The system featured a web interface for users to configure their regional groups, business hours, and choose preferred notification types.
- Engineered a full stack web application responsible for monitoring and automating deployments for over 200 applications within the service assurance department. Implemented an automatic potential impairment notifications system, custom version control, one-click deployment options, and tools for fault tolerant data center failover in case of emergencies.
- Wrote a SSO permissions system that allowed for customizable groups and authorization. Other applications in the company could leverage this interface to design and create their own custom permissions for integration into their applications.

### CenturyLink Broomfield, Colorado Software Engineer

May 2014 – November 2017

- Developed a site that allowed stakeholders to create fully customizable dashboards to visualize historical network events. Features included customizable graphing options, persistent public/private dashboards, live potential problem heat mapping, and a real-time search for alerts across 100+ terabytes of historical data.
- Engineered a new network element inventory tool to manage and maintain thousands of different devices.
- Created a website for network engineers to build and maintain complex sorting profiles to fit network alerts to their responsible regions. The tool included an infinitely recursive drag and drop expression creator, directory structure designer, as well as savable custom sorting buckets for profile re-useability.

## Education

### Colorado State University Fort Collins, Colorado Bachelor of Computer Science

2011 – 2015

Minor in Business Administration

## Key Skills

- **Frontend Development** - JavaScript, Vue, Angular, Data Modeling, Responsive Design, UX/CX, SASS, and Bootstrap
- **Backend Development** - Node, PHP, Java, Python, APIs, NPM, Load Balancing, Tomcat, Apache Webserver, Docker, and Kafka
- **Databases & Structures** - Document Stores, Key-Value Stores, SQL, JSON, Redis, Elasticsearch, LDAP, and CouchDB
- **Business Proficiencies** - Scrum, Agile Methodologies, JIRA, Presentations/Demos, AWS, Data Analysis, and Telecommunications
- **Additional Expertise** – Wireframing, Prototyping, Unix Systems, Automation Tooling, AI, GIT/SVN, and Full Stack Engineering