Stephen Galliver

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Software Engineering Leader

I love being a software developer and leader. I am at my best when working on interesting problems with interesting people. My experience includes designing and implementing projects through the full project lifecycle, leading and managing developers, growing and revitalizing engineering teams, and driving key decisions for technology and product roadmaps.

Professional Attributes

Leadership: Well-versed in the full spectrum of engineering leadership skills, including recruiting exceptional candidates, empowering teams and individuals, and meeting stakeholder needs.

Excellence: Slashed downtime by 90% and scaled search capacity by a factor of 10k at Talroo using Agile processes, code reviews, unit testing, TDD, automated builds, and elastic infrastructure.

Communication: Comfortable working across functions at all levels, from executives to architects to the newest college hire, adjusting the level of technical detail to maximize understanding.

Experience: Built, mentored and scaled a team from 8 to 20 engineers for a high-traffic search engine, focusing on improving revenue, uptime, click-stream analysis, database-tuning and AWS DevOps.

Key Skills: Excellent at engaging at a hands-on technical level, identifying stakeholder requirements, improving technical decisions and coaching the adoption of engineering best-practices.

Professional Experience

Senior Software Engineer - Search

Kyruus Health, Boston MA Aug. 2019 - Apr. 2025

A leader in SaaS health data management, providing enterprise search and scheduling solutions.

- Primary Impact: Developed Kyruus' next-generation, highly-scalable search API, combining Elasticsearch and natural language processing with a high-volume, low-latency data pipeline.
- Built and embedded engineering best-practices for the team to continue delivering features and scale through modularization and rapid prototyping.
- Key tech: Python, Elasticsearch, spaCy, PostgreSQL, AWS, Lambda, Flask, scalable microservices

Director of Technology

Open Mortgage, LLC, Austin TX Mar. 2017 - Mar. 2018

A nation-wide lender using technology to transform the mortgage industry.

- Primary Impact: Sunset of obsolete internal code and transition to third-party SaaS products with zero user-facing downtime and seamless integration with remaining internal systems.
- Strategic leadership and support, as well as hands-on design and coding for financial and security platforms, using a mixture of in-house and 3rd-party applications.
- Key tech: Linux, AWS DevOps, RESTful APIs, scalable microservices, financial services

Software Engineering Manager

Talroo *(formerly Jobs2Careers)*, Austin TX Aug. 2014 - May 2016

A comprehensive job search engine attracting millions of job seekers.

- Primary Impact: Scaled a small, crisis-driven team into a successful, organized team of teams.
- As head of engineering, established vision and drove decisions regarding technology selection, tool choice, operational deployments, engineering processes, timelines and budgets.
- Provided hands-on design and coding for everything from new features, code reviews and infrastructure upgrades to critical downtime recovery and post-mortem investigations.
- Key tech: Linux, PHP, AWS, MySQL/RDS, PHPUnit, Docker, Elastic Beanstalk, Agile

Advisory Software Engineer

IBM, Austin TX Apr. 2013 - Aug. 2014

Leader in enterprise-class software for analysis and governance of unstructured, in-place data.

- Primary Impact: Increased the speed and accuracy of IBM's StoredIQ document classification system by integrating an automated, machine learning classification engine.
- Key tech: Python, Postgres, StoredIQ, Agile Scrum, multi-threading, machine learning.

Senior Software Engineer

Crossroads Systems, Austin TX Dec. 2011 - Mar. 2013

Global provider of highly available, cryptographically secure disaster-recovery systems for high-value data archives.

- Primary Impact: Maintained and enhanced a data archival system combining the speed of disk with the stability and cost-effectiveness of tape, leveraging open, vendor-neutral technology.
- Key tech: Linux, C++, C, Postgres, database tuning, multi-threaded troubleshooting.

Software Engineering Manager
Lead Software Engineer
Software Engineer

Overwatch Textron Systems, Austin TX Nov. 2004 - May 2011

Leader in geospatial analysis and custom intelligence solutions to national agencies and civilian organizations.

- Primary Impact: Developed common data abstractions and multi-threaded foundations for distributed, fault-tolerant, microservices.
- Key tech: Linux, C++, Java, Feature-Driven Development, automated testing

Education

University of California at Los Angeles
Bachelor of Science in Computer Science and Engineering

Carnegie Mellon University
Post-graduate studies in Information Networking

Training

University of Texas at Austin
Engineering Leadership Institute