Brett Gardiner

SOFTWARE ENGINEER

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Professional Summary

Senior Software Engineer with 8+ years of experience leading technical initiatives and delivering high-impact software solutions. Proven expertise in architecting scalable systems, mentoring junior developers, and driving technical excellence across teams. Specializes in distributed systems, real-time IoT infrastructure, and modern web applications using Elixir, React, TypeScript, Python, and Rust. Demonstrated ability to translate complex technical requirements into business value while fostering team growth and engineering best practices.

Work Experience

PDQ.com   *Salt Lake City, Utah*

SENIOR SOFTWARE ENGINEER   *Feb. 2018 - PRESENT*

- Architected and delivered enterprise-scale SaaS platform using Elixir, Phoenix, React, and distributed Rust agent architecture, driving 300% sales growth and establishing technical foundation for company expansion
- Led optimization of real-time IoT communications infrastructure supporting 500,000+ concurrent connections, mentoring team on advanced concurrency patterns and performance optimization techniques
- Drove technical strategy for product portfolio expansion and team scaling, leading architectural decisions and cross-functional coordination to support successful company acquisition initiatives
- Spearheaded modernization of legacy systems through Progressive Web Application development, establishing engineering best practices, comprehensive testing standards, and automated CI/CD processes

ForwardMomentum LC   *Lehi, Utah*

SENIOR SOFTWARE ENGINEER (CONTRACT)   *Aug. 2021 - Feb. 2022*

- Developed real-time healthcare communication platform using Google Firebase, enabling secure instant messaging between healthcare providers and patients
- Designed and implemented CI/CD pipeline, transitioning from manual deployments to automated continuous delivery with comprehensive testing

Crossroads Technologies   *Salt Lake City, Utah*

SOFTWARE ENGINEER   *May 2017 - Feb. 2018*

- Engineered enterprise learning management system using Angular 4, Python, Django REST Framework, and PostgreSQL, ensuring HIPAA and HITRUST compliance for healthcare industry
- Delivered greenfield product from concept to market in record time, establishing foundation for new business vertical

Education

Brigham Young University   *Utah*

B.S. IN NEUROSCIENCE   *2011 - 2015*

- Concentrated in computational neuroscience and neuroimaging analysis, developing strong foundation in data processing, statistical analysis, and scientific computing
- Developed Python data processing pipelines and automated segmentation algorithms for large-scale neuroimaging datasets in Alzheimer's research, utilizing specialized Linux software (FSL, FreeSurfer, AFNI)

Let's talk about

Development	TypeScript, Go, SQL, Elixir, Python, Node, Rust, React, Next.js
Tools	Git, AI agents, Linux, Postgres, Ansible, Docker, Kubernetes
Hobbies	Linux, Self-hosted Homelab, Hiking, Camping, Biking, Pickleball