

Brandon Toone

Senior Software Engineer – Team Lead

Herriman, UT | [LinkedIn](#) | [GitHub](#)

Senior backend engineer who builds scalable SaaS systems and leads engineering teams through technical transformation, with a focus on AI-era startups.

EXPERIENCE

Senior Software Engineer – Team Lead

Dec 2025 — Present

Payment Box

Orem, Utah, United States

Led the engineering team for a unified commerce-data and fraud platform ingesting payment-processor files and live transaction streams. Modernized a legacy Rails monolith into a modular, AI-native platform while establishing the team's engineering processes, architecture standards, and SOC 2 compliance gates. Built the team's AI-native development harness with Claude Code plugins and custom agent infrastructure, executed zero-downtime migrations across 53M+ row tables, and shipped flagship analytics dashboards and self-service onboarding surfaces.

Senior Software Engineer

Feb 2025 — Oct 2025

Corporate Tools

Spokane, Washington, United States

Served on the Phone Service team modernizing a legacy Rails monolith into a scalable service architecture for VoIP and SMS/MMS messaging. Designed and delivered a REST-based microservice for SMS/MMS handling, integrated with third-party messaging APIs (TSG Global, Intellicent/Sinch), and deployed on Kubernetes. Instrumented domain-level telemetry to diagnose performance issues, led a cross-team CI/CD overhaul reducing deployment time from days to hours, and championed TDD practices improving test coverage by 40%.

Senior Software Engineer

Jan 2023 — Dec 2024

ClickFunnels

Boise, Idaho, United States

Contributed to Payments and Affiliates teams, leading efforts to re-architect critical systems supporting \$100MM+ in annual transaction volume. Designed and implemented payment systems integrating with Rebillly, Bluesnap, and Payments.AI, built high-throughput APIs handling thousands of transactions per second, and designed scalable solutions for 140k+ affiliates including tiered commissions and performance dashboards. Implemented fraud monitoring tools and GDPR-compliant data removal processes.

Senior Software Engineer – Team Lead

Apr 2022 — Jan 2023

Ion Solar

Orem, Utah, United States

Led a small engineering team maintaining and modernizing multiple web and mobile applications across PHP/MySQL, Rails, React, and Angular. Introduced TDD, agile user stories, Scrum, and Kanban analytics to improve delivery speed. Led Salesforce and Enphase API integrations for real-time solar equipment monitoring and conducted a system audit identifying production environment risks in legacy PHP applications.

Principal of Technology

May 2020 — Mar 2022

WORKPLACE21

Seattle, Washington, United States

Architected and built a Ruby on Rails web application hosted on Heroku with a React frontend that implemented a behavior model generating KPIs from multiple data sources. Leveraged natural language and sentiment analysis APIs to generate behavioral insights for teams and individuals. Oversaw full-stack development, deployment strategy, recruited engineers, and maintained application infrastructure.

Senior Full Stack Developer

Jul 2019 — Mar 2020

Borboleta Beauty

Salt Lake City Metropolitan Area

Led development of a high-impact e-commerce system supporting over \$10M in annual sales. Extended and integrated Shopify storefront with custom Rails services to streamline product, order, and fulfillment data flow. Built a custom AWS EC2 and RDS deployment pipeline enabling faster releases and designed a data warehouse with Rails, REST, and GraphQL APIs for reporting and business intelligence.

Contract Web Developer

May 2011 — Jul 2019

Red Lake LLC.

Greater Salt Lake City Area

Delivered full-stack web and API development across startups, SaaS companies, and enterprise clients. Built multi-tenant platforms (Chefalytics catering SaaS), enhanced reporting features for non-profits, developed REST APIs and background services, and created modern web applications integrating payment processors. Notable projects included Windows 8 launch site for Microsoft, LMS platforms, digital document signing, and WordPress licensing servers.

Software Engineer

Nov 2008 — May 2012

DecisionWise, Inc

Provo, UT

Designed, developed, and deployed a leadership assessment platform using Ruby on Rails enabling organizations to measure and improve team performance. Introduced agile development practices and modernized legacy Perl/CGI systems by implementing version control, code reviews, and bug tracking. Migrated services to Rackspace, AWS, and Microsoft cloud environments to improve scalability and reliability.

Systems Administrator

Builder Fusion, Inc.

Sep 2005 — Oct 2008

Provo, UT

Managed co-located production servers supporting web applications during rapid growth. Automated deployments and administration using Bash, Ruby, and Perl scripts, improving uptime and efficiency. Supported a 30-person team as the company earned recognition on Inc. Magazine's 500 Fastest Growing Private Companies list.

School Technical Support Specialist

Sep 2004 — Aug 2005

Jordan School District

- Daily maintenance and improvement of teacher computers through resolution of all issues to allow teacher to perform effectively in the classrooms
- Update all computers to use Windows 2000 or XP Professional in order to better integrate with the Windows Server 2003 network as well as improve ability to administrate each PC
- Constantly solve various issues by researching problems and implementing appropriate solutions
- Update software on user machines to improve security, maintain congruency throughout the network and support individual teacher needs
- Resolve computer hardware issues when necessary in order to keep user machines working properly and servers upgraded
- Perform various procurement duties as needed to improve technology integration

Programming Intern

Sep 2004 — Apr 2005

Alphagraphics, Inc.

- Create user interface of a proprietary software printing tool using Java
- Apply time management and planning skills to successfully complete software planning project in real world environment
- Collaborate with the lead programmer to resolve specific issues during the design phase of project
- Experienced unique issues associated with an international corporation
- Continue training in the application design process as it pertains to an established business setting

EDUCATION

Westminster University

Jan 2000 — Jan 2004

Bachelor of Science in Computer Science

Minor in Business Studies

PROJECTS

Local-first AI developer assistant CLI in Go, AI Dev Assistant

A command-line developer assistant using OpenAI and Ollama featuring modular design with vector memory and RAG capabilities for enhanced development workflows. Built to improve developer experience by integrating LLM capabilities directly into local development environments.

Framework for expressing meaningful changes in text-based projects, Semantic Commit Notation

A framework standardizing commit messages to capture intent and structure. Provides shared Git tooling and templates for consistent collaboration across teams and projects. Simplifies communication of changes in version-controlled work.

Schema visualization tool for ActiveRecord codebases, Model Probe

Contributed to a schema visualization tool that improves developer experience in large ActiveRecord codebases by visualizing model relationships, attributes, and database structure in real time.

Ruby port of the ApprovalTests framework, ApprovalTests.Ruby

Helped maintain the Ruby port of ApprovalTests, a testing framework enabling developers to verify complex outputs (text, JSON, HTML, images) by comparing against a known approved version. Provides an alternative to traditional assertion-based testing for large or changing outputs.

SKILLS

Large Language Models (LLM) · Natural Language Processing (NLP) · TDD · Software as a Service (SaaS) · Stripe Connect · Payments · Affiliate Marketing · Payment Systems · Payment Gateways · Payment Card Processing · ActiveRecord · Web Services API · Vue.js · Tailwind CSS · Continuous Integration and Continuous Delivery (CI/CD) · Continuous Integration (CI) · JSON Web Token (JWT) · RESTful WebServices · REST APIs · Voice over IP (VoIP) · Argo · Test-Driven Development · Amazon EC2 · Amazon Relational Database Service (RDS) · Representational State Transfer (REST) · Elasticsearch · Amazon S3 · Test Automation · AWS Lambda · Kubernetes · Amazon ECS · Amazon Simple Notification Service (SNS) · OpenAPI Specification (OAS) · VoIP protocols SIP · Postman API · Sales Engineering · Product Demonstration · Business Development · Sales Presentations · Technical Support · Interpersonal Skills · Engineering Management · Technical Leadership · Product Delivery · Systems Engineering · Oral Communication · Microservices · Computer Science · Go (Programming Language) · Ruby on Rails · Node.js · PostgreSQL · MySQL · Redis · JavaScript · TypeScript · React · Angular · Hotwire · StimulusJS · Turbo · System design · Scalable architecture · Database optimization · Caching strategies · AWS · GCP · Docker · Heroku · Git · Chef · GitHub Actions · GitLab Pipelines · CircleCI · BDD · RSpec · Minitest · API design · GraphQL · SOAP · OAuth 2.0 · PayPal · Slack · Google APIs · Kafka · Message queuing · Webhook

management · AI integration · OpenAI · Ollama · Sentiment analysis · Team leadership · Mentorship · Process optimization · Agile methodologies · Scrum · Kanban · Cross-functional collaboration