Brad Schwartz

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Experience

Podium
Remote; May 2023 – Present

Senior Software Engineer, Core App Data Platform

- Designed and implemented enterprise SCIM 2.0 automated user lifecycle management, supporting SSO integrations with major identity providers
- Developed real-time user presence system using Phoenix.Presence, Phoenix Channels, and Kafka for tracking live availability of users

Senior Software Engineer, Tech Lead, Developer Experience

- Improved CI deployment success rate from 50% to 90% and reduced deploy times by 5 minutes by introducing reusable container builds, improving dependency management, and adopting Kubernetes best practices like readiness probes and proper resource requests and limits
- Integrated 3rd party vendors into CI/CD pipelines for automated end-to-end testing
- Standardized Elixir project tooling across 80+ microservices, creating automated library upgrade tracking, health check patterns, and CI pipeline templates for 100% adoption
- Architected notification system with Kafka event streaming, Oban job processing, and multi-channel delivery (SMS, email, push) handling 2.7MM notifications per day

Embark Trucks
Remote; Nov. 2022 – Mar. 2023

Senior Software Engineer, Developer Experience

- Created ephemeral Jenkins agents on Kubernetes leveraging Terraform, Docker, and Jenkins plugins, and migrated a majority of jobs to these nodes for a predicted 30% cost savings on compute and flexible scaling
- Migrated resources across Terraform Cloud Workspaces to team self-owned workspaces, allowing for faster development speed, impact, and allowing developers to take full ownership of their infrastructure
- Improved Jenkins reliability, stability, and performance by improving the configuration-as-code (Helm/Terraform), automating backups, and enforcing log rotation best practices

Capital One Financial
Sept. 2018 – Nov. 2022

Senior Software Engineer, Enterprise CICD

- Core contributor to internal Jenkins libraries, leading to a 20-30% decrease in build times, more secure controls for production releases, and stronger integrations with AWS and enterprise systems
- Led the migrations of business-critical applications from customized Jenkins flows to standardized and resilient pipelines, enabling higher usage of reusable features and controls
- Maintainer of internal Homebrew tap, promoting easier production and distribution of develoment tools

Software Engineer, Auto Loans Core Decisioning Platform

- Transitioned core auto finance decisioning engine from weekly batch process to real time API for declining delinquent credit card customers, leading to fewer data issues and decreasing unintended lending by 5%
- Split 10 year old PL/SQL stored procedure into microservice based platform for sending explanatory letters when auto loans are not granted, resulting in fewer breakdowns, higher monitoring in the form of Splunk dashboarding, and fixing multi-year regulatory issue

Data Engineer, Risk and Regulatory Tech

- Overhauled cloud infrastructure, utilizing Jenkins pipelines and Docker-ized deployment tools to automate manual processes and allow for push-button deployment of code to Elastic MapReduce clusters and 25% cost-savings
- Facilitated the migration of multiple data sources and sinks across AWS Virtual Private Clouds and enablement of HTTPS traffic, allowing for a single source of truth for regulatory data and tighter restrictions on data access

Education

University of Michigan, College of Engineering — 2014 – 2018

- **Major**: Data Science Engineering **Minor**: Physics