

ERIC BELL

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Summary

Engineer and architect focused on agentic systems, backend services, live infrastructure, and developer tooling. Delivers robust, maintainable solutions — from Temporal-based agentic workflows to production systems — with lasting quality.

Experience

- Oct 2024 – Present

Senior Software Engineer · Warner Brothers Discovery
 - Architected and built Temporal-based agentic loop workers for autonomous video transcoding, clipping, and secure content pipeline orchestration
 - Developed multiple Rust microservices for high-throughput content processing and agentic workflow execution
 - Contributed to architecture and engineering of a Network Premier recording and transcoding live service, including CI/CD as infrastructure-as-code
 - Drove adoption of Nix for reproducible development environments and CI across all repositories
- Jan 2022 – Oct 2024

Productivity Software Engineer · Mountain America Credit Union
 - Lead developer for front-end solutions, crafting React/TypeScript applications with hand-written CSS and no UI frameworks
 - Architected full-stack solutions across the C#/.NET ecosystem to solve unique internal problems and increase productivity
 - Built internal tools and automation packages driven by a steady flow of stakeholder requirements
 - Delivered applications facing thousands of employees across the organization
- Jul 2019 – Jan 2022

QA Automation Engineer · Team Lead · Legrand
 - Led a team of 6 quality engineers to build a custom suite of automated regression, smoke, and system tests
 - Developed and maintained an automated software testing library in Python
 - Devised creative strategies to detect new bugs and resolve existing defects in IoT lighting and shading systems
 - Integrated CI/CD through Azure DevOps with physical test pools and automated hardware boards for nightly builds
 - Debugged and analyzed IoT devices and embedded software in large-scale test environments
- Sep 2017 – Jul 2019

Dedicated/Shared Server Administrator · 100TB / The Hut Group
 - Managed server provisioning and supported clients with hardware, network, and software issues across shared, VPS, and dedicated hosting environments
 - Leveraged Bash and Python scripting across cPanel/WHM, MariaDB, Exim, Apache, and NGINX; gained enterprise networking and data center operations expertise
 - Consistently resolved frontend and systems issues beyond formal scope, driven by continuous self-directed learning

Education

2015 – 2019
Computer Science
Utah State University

Skills

Software: Rust, C#, Python, C++, Java
Web: TypeScript, React, CSS, NGINX, Bun, TanStack
Infrastructure: AWS, Azure, Terraform, Docker, Nix, CI/CD