

ERNIE BRODEUR

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Senior Backend Engineer

PROFESSIONAL SUMMARY

Backend engineer experienced with Ruby, Rails, and production Go, building APIs, durable workflows, integrations, and data systems. Uses AI-assisted software development and coding agents for codebase analysis, implementation, refactoring, testing, and debugging, with hands-on review for correctness and operability.

TECHNICAL SKILLS

AI-Assisted Engineering: Generative AI / coding agents, Prompt / context engineering, Repo-local work plans / durable agent context, AI-assisted testing / debugging / code review, MCP servers / tool integration

Languages & Backend: Ruby, Go, Python, JavaScript / TypeScript, Ruby on Rails, REST APIs, Microservices, RSpec / Playwright / BDD / TDD

Data: PostgreSQL, MySQL, Redis, SQL query tuning, ORM optimization

Cloud & Observability: AWS ECS / EC2 / ECR / RDS / S3 / Lambda, Docker, GitHub Actions / CircleCI / Travis CI, Splunk, Prometheus / OpenTelemetry / Tempo

Collaboration: Cross-functional / remote collaboration, Jira / Confluence / Slack / Microsoft 365

PROFESSIONAL EXPERIENCE

INDEPENDENT DEVELOPMENT

Independent Product / Platform Engineer

Remote
Oct 2024 - Present

- Founded and launched Safety Ally in 2026, taking the complete product from an empty repository to production in two weeks; subsequently expanded it with additional features and refinements while owning product strategy, architecture, UX, engineering, AWS operations, support, and go-to-market.
- Designed and built Job Agent and Pilot, agentic systems for career and software-development workflows with tool use, persistent context, decision rules, state tracking, verification, and adaptation.
- Built a durable check-in engine with timezone-aware recurrence, transactional notification queues, database leases, retries, staged escalation, acknowledgement, and resolution workflows.
- Built Playwright end-to-end tests for Safety Ally's critical user workflows, complementing backend and integration coverage with browser-level release validation.

GOX LABS

Lead Backend Developer / Technical Team Lead

Remote
Dec 2022 - Sep 2024

- Upgraded Rails 5 to Rails 7 with zero downtime.
- Improved SQL query performance by 25 percent through query and ORM optimization.
- Expanded RSpec coverage with BDD/TDD practices and mentored engineers on Ruby and architecture.

COMCAST TECHNOLOGY SOLUTIONS

Custom Solutions Manager

Remote
Jan 2017 - Aug 2019

- Earned the Comcast Starr Award for ACI-driven deployment automation that cut cycle time from 6h to 1m, saving ~\$300K/year.
- Built 654 RSpec examples across cts-mpx and cts-mpx-aci, reaching 98.65% and 96.79% coverage.
- Built and open-sourced MPX ACI (cts-mpx-aci), a graph-aware transformation engine for migrating media configurations and dependencies between development and production environments.

Technical Support Lead

Sep 2015 - Jan 2017

- Led the support team for high-traffic media services and owned incident response end to end.

THEPLATFORM FOR MEDIA

Application Support IV

Seattle, Washington
May 2013 - Jun 2014

- Traced requests across microservices with Splunk and debugged API failures, timeouts, and data inconsistencies.

EDUCATION

LAKE WASHINGTON TECHNICAL COLLEGE - Associate in Computer Networking Security and Forensics

2007 - 2009