

ROYCE CARBOWITZ

FOUNDING ENGINEER

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Engineering leader with 9+ years of experience spanning enterprise infrastructure and AI-native development. Authored a research paper on multi-agent AI coordination (SPOQ), currently seeking publication. Built high-performance systems at J.P. Morgan Chase and American Express before transitioning to AI-focused engineering, leading infrastructure rebuilds, and developing open-source tooling for parallel AI agent workflows. U.S. Navy veteran with Nuclear Power training.

CORE COMPETENCIES

Team Leadership & Development · Distributed Systems · Performance Optimization · Technical Strategy
Infrastructure Modernization · AI-Native Engineering · Multi-Agent Orchestration · Rapid Scaling

TECHNICAL SKILLS

Languages & Frameworks: Java, JavaScript, Python, Rust, TypeScript, Spring Boot, React, Next.js, Node.js
Infrastructure & Platforms: AWS (EC2, ECS, Lambda, RDS), Docker, Kubernetes, Terraform
Systems & Tools: Claude Code, Hashicorp Vault, Kafka, PostgreSQL, RabbitMQ, Redis / ElastiCache
Methodologies: Agile, CI/CD, DevOps, Domain Driven Design, Scrum, SPOQ

EXPERIENCE

Notary Everyday, Phoenix, AZ

Oct 2025 – Present

Founding Engineer

- Rebuilt the entire infrastructure from the ground up, reducing AWS spend by over 60% while eliminating biweekly outages entirely
- Replaced laptop-to-production deployments with comprehensive CI/CD pipelines, transforming release reliability and team velocity
- Led the transition to AI-native engineering practices, training the team on the SPOQ methodology and integrating AI tooling throughout the development lifecycle
- Helped deploy a V2 of the platform, delivering substantial improvements to the core product experience

J.P. Morgan Chase, Remote, Mesa, AZ

Mar 2022 – Oct 2025

Vice President, Lead Software Engineer

- Lead team of 5 engineers building high-performance APIs that analyze millions of daily transactions to deliver targeted card-linked offers across Visa, Amex, and Mastercard networks
- Spearheaded infrastructure modernization from monolithic EC2 to containerized ECS architecture, delivering transformative results:
 - Achieved 99.9% uptime improvement (weekly outages to single annual incident)
 - Optimized system performance by 43% reducing cold start times from 14s to 8s
 - Accelerated team velocity through streamlined onboarding (8 weeks to 2 weeks)
 - Established fully automated CI/CD pipeline with integrated security validation
- Successfully modernized Chase Offers platform from legacy Spring to Spring Boot
- Pioneer AI/ML initiatives for customer-facing features including vector search, RAG architectures, and model fine-tuning

PDS, Phoenix, AZ

Sep 2021 – Feb 2022

Silicon Valley Bank – Senior Software Engineer – Contract

- Developed a variety of custom micro services in TypeScript with Loopback as the framework. Each micro service is supporting the new loan onboarding platform for potential new customers. Everything is highly available and uses Kafka and event based architecture to ensure a modern platform that is extensible to future company needs. Additionally each service was delivered with greater than 80% code coverage for the automated unit / acceptance tests.

Motion Recruitment, Phoenix, AZ

Feb 2021 – Sep 2021

USAA – Software Engineer Midrange – Contract

- Developed a variety of custom user interface in React leveraging the company cloud for deployment. Completed tickets in a Safe Agile manner. Worked with team to develop multiple backend Java / Spring Boot micro services following company security guidelines.

The American Express Company, Phoenix, AZ

September 2019 – Feb 2021

Senior Software Engineer – Midrange – FTE

- Led development of CertaaS, enterprise-wide certificate automation platform requiring 99.999% availability
- Built distributed microservices architecture using Spring Boot, Kubernetes, and Kafka
- Improved certificate renewal processing efficiency by 600% through message queue optimization
- Created SDK enabling zero-touch onboarding for internal teams

SELECT PROJECTS**SPOQ** – spoqpaper.com

Original research paper on Specialist Orchestrated Queuing, a methodology for coordinating multiple AI coding agents in parallel. Currently seeking publication. Open-source with MIT license and a one-command installer. Demonstrated 5.3x throughput over sequential execution with dual validation gates scoring across 10 objective quality metrics.

Pinpoint – testwithpinpoint.com

Full-stack QA testing platform that integrates expert manual testing directly into engineering CI/CD pipelines. Built the plugin architecture supporting GitLab CI, GitHub Actions, and Jenkins, along with the marketing site and a tiered service model for manual and automated testing.

Blade Terminal – bladeterm.com

GPU-accelerated terminal built in Rust, designed as the native terminal for Claude Code. Features sub-5ms input latency, 60+ FPS rendering via wgpu across Vulkan, Metal, DX12, and WebGPU, a built-in session multiplexer with multiplayer capabilities, and cross-platform support.

EDUCATION**Woz U, Scottsdale, AZ**

June 2017 – December 2017

Development Program with Node.js Specialization

- Completed intensive curriculum covering modern web technologies and agile methodologies

Naval Nuclear Power Training Command, Charleston, SC

November 2014 – May 2015

Advanced Nuclear Power Course, U.S. Navy

- Developed rigorous attention to detail and systematic problem-solving through the Navy's most technically demanding training pipeline