

ARJUN BHALODIA

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SUMMARY

Senior Software Engineer with 5 years of experience building platform infrastructure for digital banking: frontend architecture, production services in Go and Java, and developer tooling in Rust. Built the Vue 3 Module Federation micro frontend architecture adopted by 350+ Alkami engineers and external SDK partners, serving 28M+ end users.

SKILLS

Languages: Go, Rust, Java, Python, JavaScript/TypeScript, Groovy, C#, SQL

Frontend: Vue 3, Pinia, React, React Flow, GraphQL, Tailwind CSS, Module Federation, Rsbuild, Tauri

Backend/Platform: REST APIs, Microservices, Spring Boot, .NET, Docker, Kubernetes, Redis, PostgreSQL, MySQL, Moqui ERP

Cloud/DevOps: AWS (Lambda, CloudFront, S3), CI/CD pipelines, Traefik, Datadog (RUM, logging, metrics)

Tooling: Git, GitHub, Postman, Kong, GitHub Copilot, MCP servers

EXPERIENCE

Alkami Technologies

January 2022 – Present

Senior Software Engineer, Platform Improvement

March 2024 – Present

- Built the micro frontend infrastructure for Alkami's digital banking platform (**28M+ users**) using **Vue 3 Module Federation** on **Rsbuild**, cutting p99 page load times from **7s to 2s** (**Datadog RUM**). More than **350 engineers** at Alkami and external SDK partners build widgets on the architecture.
- Hosted the module federation architecture on **AWS**, with the micro frontend bundles stored in **S3** and served through **CloudFront** for faster delivery to the financial institutions on the platform.
- Worked with the team on the platform's **Rust** SDK, which scaffolds new widgets, runs local development in **Docker**, reroutes traffic through **Traefik**, and hot reloads changes in about **2 seconds** vs **5+ minutes** with the old **IIS**-based SDK.
- Built the **Tauri** and **React Flow** desktop dashboard that wraps the SDK in a GUI, shows micro frontend relationships in real time, and tracks the latest versions of the widgets deployed to the CDN, now used by **12** internal teams and **8** SDK partners.
- Migrated the theming API from **.NET** to **Go** with full backward compatibility and run it in production: **500K+ requests/day** behind **CloudFront** with **PostgreSQL** and **AWS Lambda**, holding **120ms** p99 latency and **99.97%** availability against its SLO while powering white-label theming for financial institutions.
- Proved that micro frontends can run inside the legacy monolithic architecture by injecting scripts into it, a hybrid shell approach that lets product teams migrate incrementally instead of rewriting everything at once.
- Partnered with the core platform team on the **backend for frontend** that boots the micro frontend shell, keeping the session alive and resolving the tenant (financial institution) through one shared **Pinia** store in **90ms** at p99.

Software Engineer II, Core Integrations

March 2023 – March 2024

- Architected and implemented **REST** APIs in **Java** to support integrations for transferring and mapping data for **15M+ customers**.
- Led the design of an SFTP solution using **Groovy**, **Python**, and **AWS** to streamline the transfer of **3M+ documents/month** and improve document management for financial institutions.
- Maintained and enhanced integration APIs managed via **Postman** and **Kong**, serving over **15M customers annually** and delivering data to financial institutions for analytics.
- Designed **Vue 3** and **GraphQL**-based workflows to orchestrate order decisions and core integrations after orders were created in the system.

Software Engineer II, Full Stack Engineer

January 2022 – March 2023

- Built **Vue.js** portals for financial institutions using **GraphQL** and **Moqui ERP** to track new and existing account applications.
- Developed **React + Tailwind CSS** interfaces to enable financial institutions to view, update, and manage customer data.
- Implemented account-opening APIs in **Java** integrated with **Moqui ERP**, supporting more than **15M customers annually**.
- Developed and automated **AWS**-hosted deployment pipelines for **React**, **GraphQL**, and **Moqui ERP** services.

Bank of America

July 2021 – January 2022

Software Engineer, Performance and Capacity Management

Charlotte, NC

- Built and maintained **Java Spring Boot** and **Python** services that continuously monitored server utilization and issued real-time alerts to stakeholders.
- Developed high-performance **Python** automation to generate weekly server utilization reports and proactively notify designated owners of capacity risks.
- Enhanced the backend of a **React + MySQL** project management application used by 150 internal users.
- Owned **15 production servers** across multiple lines of business, delivering regular reports on **utilization** and **load balancing** to identify and address performance issues.

OPEN SOURCE CONTRIBUTIONS

Zed Industries – *zed* (87K+ GitHub stars)

2025 – 2026

Contributor

github.com/zed-industries/zed

- Built GitHub Copilot premium request quota tracking for the Zed editor in **Rust**: monthly consumption stats and per-model pricing multipliers shown directly in the IDE, closing a feature gap vs VS Code that the community had actively requested.
- Proposed the feature upstream and built its **GPUI** (Zed's GPU-accelerated UI framework) settings view in the Copilot settings panel, following Zed's native component patterns.

IANA Well-Known URI Registry

2026 – Present

Author / Submitter

- Designed and submitted a public JSON schema spec to the IANA well-known URI registry (pending review) to solve third-party cookie blocking by Apple and other privacy-first browsers – giving Alkami's platform a standards-compliant identity endpoint at `/.well-known/client.json`.
- Defined platform-specific tracking keys in the schema to handle Alkami's multi-tenant needs, with NGINX serving the endpoint in the interim until the registration is officially accepted.

EDUCATION

Virginia Tech, Blacksburg, VA

August 2017 – May 2021

B.S. in Computer Science (Honors), Minor: Cybersecurity