

# Vedaant Rajoo

Las Vegas, NV | vedaant12345@gmail.com | LinkedIn | Github

## Fullstack Software Engineer

Fullstack engineer who builds end-to-end products users actually use. 7+ years shipping web applications with modern stacks—React frontends, Node.js/NestJS backends, event-driven architectures, and cloud infrastructure. Experienced across the entire lifecycle: from authentication flows and APIs to Kubernetes deployments and observability. Strongest when owning features from design to production.

## Technical Skills

**Languages:** C++/C, Typescript, Python, Lua, Rust, Apex

**Technologies:** Git, AWS, GCP, Docker, Kubernetes, GraphQL, TurboRepo

**Frameworks:** React, Next.js, NestJs, JUnit

## Experience

**Backend Engineer**, Veteran Benefits Guide (VBG) – Las Vegas, NV

Nov 2023 – Present

- Engineered production web portal enabling U.S. Veterans to file disability claims online with custom military ID authentication; drove **65% MAU growth** and **30% increase in monthly claims processed**, directly accelerating business revenue.
- Architected zero-downtime CRM migration from SugarCRM to Salesforce using Node.js/NestJS migration server with Kafka-parallelized ETL pipelines; achieved **98%+ field accuracy** via blue-green deployment with automated validation and rollback capabilities.
- Deployed portal to **AWS EKS (Kubernetes)** with LaunchDarkly feature flags for progressive rollouts, ensuring safe production releases and rapid iteration based on user feedback.
- Established observability infrastructure (structured logging, metrics, distributed tracing) and CI/CD automation, reducing mean time to recovery and enabling team to ship features **3x faster**.
- Hardened system reliability with idempotent Kafka consumers, JSON Schema validation, dead-letter queues, and exponential backoff; eliminated data inconsistencies during high-volume migration periods.
- Tech:** Node.js, TypeScript, NestJS, Kafka, PostgreSQL, Redis, Salesforce APIs, AWS (EKS, S3, RDS), Docker, Kubernetes, LaunchDarkly, Terraform, GitHub Actions

**Software Analyst**, Rolls-Royce – West Lafayette, IN

Sep 2022 – May 2023

- Built automated migration tooling in TypeScript/C++ for legacy embedded components (FreeRTOS, zlib), reducing migration time from **3 hours to 10 minutes (90% faster)** for team of 25+ engineers.
- Implemented LLVM-based static analysis with custom compiler passes for memory safety detection, reducing control-flow vulnerabilities by **70%** before production deployment.
- Collaborated cross-functionally with backend, embedded, and QA teams to deliver developer workflows with real-time feedback loops, improving migration accuracy and eliminating regressions.
- Tech:** TypeScript, C++, LLVM/Clang, FreeRTOS, Git, CI/CD

**Software Associate**, Accenture – Bengaluru, India

Aug 2020 – Jan 2021

- Revamped data visualization platform frontend using React/AngularJS with WCAG accessibility improvements and A/B testing; increased user retention by **40%** and engagement metrics by **60%**.
- Developed cloud ETL pipelines for large-scale data processing, improving data ingestion reliability and reducing processing time for analytics workflows.
- Introduced Agile/Scrum practices to service teams, accelerating release cadence and improving delivery throughput across multiple product streams.
- Tech:** React, AngularJS, Java, Node.js, ETL Pipelines, Kibana, CI/CD

## Education

**Purdue University**, MS in Computer Science

Aug 2021 – June 2023