

Ranveer Randhawa

ranveerrandhawa2468@gmail.com | github.com/Ranveer112 | US Citizen

Skills

Languages: TypeScript(Node.js), Python, Go, Java, SQL

Backend Systems: RESTful APIs, Distributed systems, Message queues (RabbitMQ, SQS)

Databases: MySQL, DynamoDB, Redis

Cloud & Infrastructure: AWS, Kubernetes, Docker

Monitoring and Observability: Datadog, Cloudwatch

Testing frameworks: Jest, Yath

Education

Georgia Institute of Technology – MS in Computer Science (Machine Learning)

Expected May 2028

University of Washington Bothell – BS in Computer Science and Software Engineering

June 2023

Experience

Software Engineer Slate Auto – Remote

October 2025 – Present

- Designed and built a PIM-to-CommerceTools synchronization pipeline using AWS (Lambda, API Gateway, CloudFormation) with TypeScript on Node.js runtime, replacing manual spreadsheet-based product updates and enabling the marketplace to scale to 2000+ catalog products.
- Architected an automated service shop onboarding pipeline using AWS Lambda (Node.js runtime), DynamoDB, and DynamoDB Streams to handle procurement requests, portal delivery, and post-onboarding status sync — enabling onboarding of 1000+ service shops for car servicing.
- Identified missing authentication layer in webhook integrations and proposed a secure proxy-based architecture using Lambda integration, introducing signature-based validation for supported SaaS providers and secret-based authentication fallback for systems without native auth support.
- Identified and implemented observability improvements across backend services, including no-traffic monitors for webhook APIs; added structured logging, tagging, and enabling distributed tracing.
- Investigated and resolved recurring deployment failures in staging environments, identifying CloudFormation configuration drift and CI validation gaps, and introduced preventive validation checks to reduce repeat incidents.

Software Developer Grant Street Group – Remote

October 2022 – October 2025

- Led full-stack development of Bill Print Dashboard using JavaScript, MySQL, and Perl, for tracking 100k+ property tax bills in California, reducing duplicate mailings by 35% and saving clients 10% of their daily time
- Developed high performance jobs for bill mailings using message queues(RabbitMQ) and multiprocessing, achieving 100k+ bill mailings within 5 minutes
- Optimized Perl code and MySQL queries using query planner, achieving a 19x performance boost in waiver attachment action
- Built data ingestion pipeline for an email writing AI agent using Go and Jenkins, saving 125+ software support hours/year in email drafting.
- Owned investigation and resolution of bug in file attachment within a distributed application, safeguarding on-time go-live of property tax software in San Bernardino.
- Automated releases and running tests by building CI/CD pipelines using Jenkins and Groovy Scripts, removing manual deployments and probability of outages

Software Developer Intern, Indus Valley Partners – Remote

Aug 2019 – October 2019

- Researched Optical Character Recognition techniques such as AWS Textract and computer vision algorithms.