

RAKSHIT RANPARIYA

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EDUCATION

Dalhousie University | Master of Applied Computer Science
Gujarat Technological University | Bachelor of Computer Engineering

Jan, 2023 - Aug, 2024
Jul 2017 – Jul 2021

SKILLS

Programming	Java, Ruby, Python, Go, TypeScript, JavaScript, C++, GraphQL
Frameworks	Angular, React, Ruby on Rails, Angular, Node.js, JUnit, Jest
Databases	PostgreSQL, MongoDB, MySQL, Kafka, DynamoDB
Tools & Platforms	GitHub, Azure, AWS, Docker, Jenkins, Kubernetes, GCP
Development Practices	Agile, Microservices, SDLC, API Design, REST APIs, Design Patterns, TDD

EXPERIENCE

Associate Consulting Engineer Jul 2025 – Nov, 2025
Psyncopate Technologies, Inc. *Remote*

- Developed client-side payload/field-level encryption module in Spring Boot, securing sensitive data in Kafka pipelines.
- Implemented Spring Boot Kafka producers/consumers & Kafka Connect source/sink connectors for robust event-streaming pipelines.
- Configured Confluent Private Cloud Gateway routes to enable secure, private Kafka cluster access and connectivity.

Research Assistant May 2024 – Aug 2024
Persuasive Computing Lab, Dalhousie University *Halifax, Canada*

- Developed AI presentation evaluator (React/Redux, ChatGPT, Speech Rec, DynamoDB), accelerating evaluation 40%.
- Orchestrated OCR/semantic analysis via concurrent REST APIs, WebSockets, useSWR caching for real-time feedback.

Cloud Technical Engineer Jun 2021 – Oct 2022
Tata Consultancy Services *Ahmedabad, India*

- Accelerated SAP HANA ERP deployments using SLT Data Provisioning, SAP Analytics Cloud, cloud storage integration, and on-prem/cloud migrations to HEC for faster go-lives.
- Led L2/L3 Basis support debugging 350+ SAP-ERP defects via HANA Cockpit monitoring, performance tuning, RCA (locks/CPU/memory), while driving client reqs as shift lead.
- Facilitated client requirement workshops and cross-team collaboration at TCS, while mentoring as shadow interviewer.
- Architected Spring Cloud Gateway as OAuth2 Resource Server with Spring Security's JwtDecoder and JwtAuthenticationConverter to centralize role mapping JWT validation, eliminating redundant auth logic across 15+ microservices.
- Implemented OAuth2/OIDC SSO integration with Keycloak IdP via Spring Security OAuth2 Client, enabling single login across services and reducing authentication failures by 85% through standardized token introspection.
- Enforced fine-grained RBAC with @PreAuthorize annotations, custom method security expressions, and Gateway routing predicates, securing service-to-service communication while cutting unauthorized access incidents by 92%.

Software Developer Intern Jan 2021 – April 2021
SpeculSoft Technology *Surat, India*

- Strengthened React app architecture by standardizing state management with reusable functional components, Hooks, and Redux (useSelector/useDispatch) to improve maintainability and predictable data flow.
- Improved React performance via route/component code-splitting and lazy loading (React.lazy/Suspense), deferring non-critical modules, adding fallback loaders, reducing initial bundle payload, and improving cross-browser responsiveness.

PROJECTS

Restaurito | ReactJS, AWS Lambda, AWS SNS, GCP Firestore May 2024 – Aug 2024

- Built a role-based React admin dashboard by implementing RBAC with protected routes & permission checks, enabling permission-based rendering for pages/actions, and refactoring into reusable components, cutting admin overhead by 25%.
- Implemented React real-time notifications via WebSockets/SSE, boosting engagement and cutting no-shows by 15%.

SwapSphere | ReactJS, ExpressJS, MongoDB, Redux, JWT May, 2023 – Jul, 2023

- Engineered Redux state management with MongoDB transactions and optimistic locking (versioning) to resolve concurrent UI conflicts, preventing stale reads/writes during real-time updates.
- Built scalable WebSocket real-time chat using Socket.io clustering with Redis adapter and Redux Saga middleware, handling 1,000+ concurrent users with automatic failover and zero-downtime reconnection.

TrimTrack | Java, Spring Boot, ReactJS, AWS Lambda, API Gateway, DynamoDB, Terraform May 2023 – Jul 2023

- Prevented 100% double-booking for barber appointments using atomic DynamoDB transactions, unique constraints, and idempotency keys—achieving 99.9% booking accuracy under peak concurrent loads.
- Transactional outbox + SQS retries/DLQ ensured zero data inconsistency for SMS/email notifications during traffic surges.

EDUCATION

Confluent Certified Administrator for Apache Kafka | Confluent

Nov, 2025 - Sept, 2027