

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 Syncopate Technologies, Inc.	Jul 2025 – Nov, 2025 <i>Remote</i>
• 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.	May 2024 – Aug 2024 <i>Halifax, Canada</i>
Research Assistant Persuasive Computing Lab, Dalhousie University	Jun 2021 – Oct 2022 <i>Ahmedabad, India</i>
• 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.	Jun 2021 – Oct 2022 <i>Ahmedabad, India</i>
Cloud Technical Engineer Tata Consultancy Services	Jun 2021 – Oct 2022 <i>Ahmedabad, India</i>
• 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 JwtAuthentication-Converter 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%.	Jun 2021 – Oct 2022 <i>Ahmedabad, India</i>
Software Developer Intern SpeculSoft Technology	Jan 2021 – April 2021 <i>Surat, India</i>
• 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.	Jan 2021 – April 2021 <i>Surat, India</i>

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%.	May 2024 – Aug 2024
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.	May, 2023 – Jul, 2023
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.	May 2023 – Jul 2023

EDUCATION

Confluent Certified Administrator for Apache Kafka | Confluent

Nov, 2025 - Sept, 2027