Ruchit Chudasama

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PROFESSIONAL SUMMARY

Full Stack Software Developer with 2+ years of experience designing and building scalable web applications using Java, Spring Boot, React.js, Node.js, Express.js, and SQL/NoSQL databases. Skilled in RESTful API design, Object-Oriented Programming (OOP), Agile/Scrum delivery, CI/CD pipelines, unit and integration testing, and cloud deployment with AWS and Docker. Experienced translating business requirements into production-ready features across the full software development lifecycle (SDLC). Passionate about AI-assisted development and building practical automation tools.

SKILLS

Languages: JavaScript (ES6+), TypeScript, Java, C++, Python, SQL, HTML5, CSS3

Frontend: React.js, Next.js, Bootstrap, Tailwind CSS, jQuery, Responsive Design, WCAG 2.1 AA

Backend & APIs: Node.js, Express.js, Spring Boot, Django, RESTful API Design, GraphQL, JWT Authentication, RBAC

Databases: PostgreSQL, MySQL, MongoDB, SQLite, Oracle PL/SQL

Cloud & DevOps: Docker, Kubernetes, Nginx, AWS (EC2, S3), Azure DevOps, GitHub Actions, CI/CD

Testing: Unit Testing, Integration Testing, Regression Testing, Exploratory Testing, Jest, JUnit, Supertest, JMeter, Postman, Playwright (TS/JS), Cypress (TS/JS), Cucumber BDD, Swagger/OpenAPI, REST Assured

Methodologies & Practices: Agile/Scrum, SDLC, STLC, Object-Oriented Programming (OOP), Code Review, Version Control (Git)

AI & LLM: Claude API, Claude Code, GitHub Copilot, Groq API (Whisper, Llama 3.3), n8n Workflow Automation, LLM Integration

Tools: Git, GitHub, Bitbucket, JIRA, VS Code

EXPERIENCE

Full Stack Developer

Dodge Data & Analytics | Remote, CA | Sept 2025 – Feb 2026

- Contributed to the development, maintenance, and support of The Blue Book, a large-scale platform connecting infrastructure project clients with contractors, building frontend components in React.js and backend services in Spring Boot and Node.js to support thousands of concurrent users.
- Implemented new bidding features and user interaction workflows that met all functional and technical requirements, writing clean, modular code reviewed and approved in Agile sprint cycles.
- Designed and integrated RESTful APIs using JSON/XML with an API Gateway to enable secure, accurate data exchange across distributed system components, reducing API response inconsistencies.
- Optimized high-volume MySQL and MongoDB schemas for data reliability and implemented Role-Based Access Control (RBAC), reducing unauthorized access incidents to zero during the engagement.
- Built test harnesses and used Xray for test case documentation alongside Jest and JUnit unit testing, increasing code coverage and reducing the production defect rate by approximately 25%.
- Diagnosed and resolved application defects using log analysis and error tracing, shortening the average time to resolve production issues and improving overall system reliability.
- Collaborated across teams in JIRA-tracked sprint planning, code reviews, and CI/CD deployments on AWS and Azure, contributing to on-time delivery of all sprint milestones.

Software Developer

SilverThread Solutions | Toronto, CA | April 2025 – Aug 2025

- Developed and maintained full-stack internal and client-facing applications for Skyward Travels, a microservices-based travel and loyalty platform, using React.js, Node.js, and Express.js.

- Built secure booking management and payment processing features using JWT authentication and RBAC, supporting 500 concurrent simulated users with zero authentication failures across all test runs.
- Designed RESTful APIs for loyalty points systems with strict data integrity and JSON/XML validation, reducing data inconsistency errors by approximately 30% compared to the prior implementation.
- Created test harnesses and applied Git-based version control workflows to validate software against functional requirements consistently across all sprint deliverables.
- Wrote clean, maintainable code following established development standards, keeping system reliability and long-term maintainability as core priorities throughout the co-op.
- Partnered with cross-functional teams in Agile cycles to deliver system demos, resolve issues in real time, and produce technical documentation for handoff and future development.

Junior Software Expert

The Logic Factory | India | January 2023 – Dec 2023

- Contributed to the development, maintenance, and enhancement of a planning and scheduling application built using QuiCo, Delmia Quintiq, and the Quill language.
- Implemented complex algorithmic logic to automate supply chain scheduling workflows, writing clean code that reduced manual scheduling effort by 30% and improved throughput across the pipeline.
- Collaborated with senior developers and business analysts to translate user requirements into clearly defined functional and technical specifications, improving sprint planning accuracy.
- Designed test harnesses to validate scheduling logic and detect defects early, maintaining high accuracy and reliability across automated scheduling runs in production.
- Supported system integration and data-flow activities within an Agile infrastructure, ensuring consistent communication between system components and external data sources.
- Participated actively in planning, development, review, and demo stages, aligning deliverables with technical documentation requirements across all project milestones.

PROJECTS

JobPilot | AI-Powered Job Application Assistant | GitHub

- Built a Chrome extension (Manifest V3) using the Claude Haiku API and RESTful integration to tailor resumes and generate cover letters for job postings on Indeed.
- Implemented long-lived port connections to work around Chrome service worker timeout limits, plus client-side PDF generation and EmaiUS notifications for a fully serverless workflow.

FoodDelivery | Real-Time Food Delivery Platform | GitHub

- Developed a full-stack food ordering platform with restaurant browsing, order tracking, delivery/pickup, and table reservations, integrating Razorpay for payment processing.
- Containerized the application with Docker, configured Nginx as a reverse proxy, and built a CI/CD pipeline with TravisCI for automated deployment to AWS EC2.

Quiz Platform | Multi-User Django Application | GitHub

- Built a multi-user quiz platform with concurrent participation support, optimizing Django ORM queries and PostgreSQL schema design to keep response times steady under load.

TEF Speaking Practice Coach | AI Oral Exam Trainer | GitHub

- Built a full-stack speech-scoring application (React, Node.js/Express) with Whisper-large-v3 transcription and Llama 3.3 70B scoring against real oral exam criteria.
- Implemented session history tracking and progress visualization with Recharts; deployed backend on Render and frontend on Vercel.
- Authored a Playwright end-to-end test suite covering recording and scoring flows via GitHub Actions CI/CD on every push to main; identified and documented a missing error-handling case in the scoring pipeline.

EDUCATION

Postgraduate Diploma — Full Stack Software Development Jan 2024 – Nov 2025

Lambton College | Toronto, ON (GPA: 3.6 / 4.0)

Bachelor of Engineering — Computer Science Nov 2020 – June 2023

Gujarat Technological University | Ahmedabad, India

CERTIFICATIONS & EXTRACURRICULAR

Certifications: Introduction to Agentic Automation | Advanced Playwright | Cucumber with Javascript | Advanced Cypress

500+ problems solved across LeetCode (Top 10%), CodeChef (3★), and Codeforces (1200+ rating); Algorithm Mentor & Bootcamp Organizer, GDSC Lambton College (2024–2025), mentoring peers and running full-stack coding bootcamps.