

Gautam Ramachandrani

Country of Citizenship: United States of America

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[GitHub](#) [LinkedIn](#) [Portfolio](#)

EDUCATION

• The University of Texas at Arlington

Master of Science in Computer Science

Arlington, United States of America

August 2016 – May 2018

• Motilal Nehru National Institute of Technology

Bachelor of Technology in Computer Science and Engineering

Allahabad, India

July 2012 – May 2016

AREAS OF INTEREST

- Software Design & Engineering
- RESTful APIs
- Web Development
- Database Management Systems
- Test Strategy & Automation

TECHNICAL SKILLS

- Front-end: Angular, JavaScript, HTML5, CSS3, Node.js
- Back-end: Java Spring, Python, MySQL, PostgreSQL
- Automation: Cypress, Selenium, Serenity + REST Assured, Cucumber BDD, TestNG
- DevOps: Docker, Jenkins, Heroku

PROFESSIONAL EXPERIENCE

Mindtree

Software Engineer

Dallas, United States of America

June 2018 – Present

- Applied practical design methodologies to granularize event-driven web services.
- Built service, UI, and end-to-end automation frameworks from the ground up for intrinsic code quality.
- Containerized microservices with bounded contexts to optimize cross-platform compatibility.
- Engineered RESTful enterprise applications with Angular front-end components and server-side logic integrated through multi-branch CI pipelines.
- Spearheaded test strategies tailored to suit **test-driven development** (TDD), minimizing defect cycle time.

PROFESSIONAL PROJECTS

SimLog Flash Remediation

April 2020 – Present

- Remediated Flash dependency of a logbook application for flight simulator technicians by re-skinning UI with Angular 9 components.
- Architecture comprises of an API-driven front-end that calls existing REST-adapted SOAP back-end services for data population.
- Test automation framework aligns with left-shifted test pyramid paradigm to manifest “pod to prod” delivery by extending coverage to an end-to-end level using Cypress.

Pilot Training Scheduling System

February 2019 – March 2020

- Replaced a monolithic legacy application used to schedule trainings to pilots for FAA compliance with a modern bootstrapped microservice architecture.
- Asynchronous communication between domain-driven services occurs over JMS queues and topics (pub-sub and request-reply).
- Service integration testing implements API stubbing against applications composed within containers.

CERTIFICATIONS

- CORE Java, Naresh i Technologies
- Big Data Hadoop Architect Masters Program, Simplilearn