

## Rudolph A. Hernandez

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## SUMMARY OF QUALIFICATIONS

- Experienced Software Developer with an MS in Computer Science from Georgia Institute of Technology.
- Designing, developing, and deploying robust web applications using Spring Boot, Node/Express, and Angular frameworks.
- Skilled in cloud platforms for scalable deployments and proficient in PostgreSQL and MongoDB for database management.
- Experienced in testing methodologies (Jasmine, Karma, Mocha, Chai, JUnit5) and Docker for CI/CD pipelines.
- Demonstrated leadership in mentoring and effective communication in collaborative project environments.

## TECHNICAL SKILLS

### Current Proficiency:

- **Frameworks:** Spring Boot, Node/Express,
- **Cloud:** Oracle Cloud Infrastructure, Google Cloud
- **Databases:** PostgreSQL, MongoDB
- **Tools:** Docker

### Past Experience:

- **Languages:** JavaScript, Java, Python
- **Frameworks:** Angular, React, Bootstrap
- **Testing:** Jasmine, Karma, Mocha, Chai, JUnit5
- **Other:** AWS, Azure

## WORK PROJECTS

**Bullhorn Applicant Tracking System** | Consultant at Tata Consultancy Services (Contracted to ManpowerGroup)  
*September 2021*

- Conducted unit testing on Angular services and components, achieving a 700% increase in code coverage.
- Enhanced search and reporting functionalities to optimize applicant tracking and data retrieval processes.
- Improved job posting and application management features for streamlined workflow and enhanced data accuracy.

## SIDE PROJECTS

**East Texas Men's Ministry Project** | Tyler, TX  
*January 2024*

- Developed a web app for managing ministry activities and member information.
- Integrated Google Maps for member grouping by quadrant location.
- Technologies used: PostgreSQL, Node.js, Nginx, PgAdmin, Docker Compose.

**Fitnits Body Recomposition**  
*July 2021*

- Developed a personal web application to calculate fitness metrics and facilitate food journaling.
- Implemented observable data services to efficiently share common data across components.
- Utilized a modular structure, ensuring a responsive layout and enhanced user experience with Angular Material.
- Managed deployment and automation workflows through a CI/CD pipeline triggered by GitHub webhooks.

## **Fitnits API**

*May 2021*

- Developed a REST API using Node.js, Express, and MongoDB for managing fitness metrics and data.
- Deployed and managed on a private server using Docker, configured for streamlined containerization and orchestration.
- Implemented fully authenticated and authorized (admin) endpoints.
- Documented API using Swagger UI ([fitapi.rudyah.com/docs](http://fitapi.rudyah.com/docs)).

## **Client Management System** | GitHub

*March 2020*

- Developed a Java application for managing client information and appointments.
- Customized the user interface according to specified requirements.
- Designed database architecture, object model mappings, and custom queries in SQL.

## **EDUCATION**

### **Master of Science in Computer Science**

Georgia Institute of Technology, Atlanta, GA | *Dec 2023* | GPA: 3.9

### **Bachelor of Science in Software Development**

Western Governors University, Salt Lake City, UT | *Nov 2020*

### **Associate of Arts in Computer Science**

Modesto Junior College, Modesto, CA | *May 2016*

## **WORK EXPERIENCE**

### **Software Developer** | Tata Consultancy Services, Remote

*Jan 2021 - Current*

- Serving as a consultant and associate developer.
- Mentoring fellow developers with less personal experience in programming.

### **Web Development Instructor** | Bay Valley Tech, Modesto, CA

*Nov 2021 - Jun 2022*

- Mentoring those new to web development and working to earn their first developer role.
- Instructing in fundamental web technologies, Angular framework, and building APIs.

## **CERTIFICATIONS**

- CompTIA Project+