

Miguel Angel Rodriguez
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PERSONAL SUMMARY

<https://github.com/rodriguez-miguel-angel>

A detail-oriented, self-driven, extremely dedicated individual with keen problem-solving skills seeking a Cybersecurity Analyst position which allows me to not only utilize my critical thinking and interpersonal skills I drew from my academic experience but my technical skills I built as a Full Stack Software Developer in a challenging but rewarding new career.

TECHNICAL SUMMARY

Operating Systems: Windows, Linux/UNIX, and Red Hat Enterprise Linux.

Languages: Python, Java, NodeJS, JavaScript, Typescript, HTML/JSON/XML, and C/C++.

Backend Technologies: IBM Cloudant, MySQL, MongoDB, Postgres, GraphQL, NoSQL, SQL, Java, Hibernate, Spring Framework, Python, Django, Flask, NodeJS, Express, and Mongoose.

Frontend Technologies: Bootstrap, CSS, HTML, Typescript, jQuery, JavaScript, AJAX, Angular, React, and Vue.

Mobile Technologies: Android, Jetpack Compose, Kotlin, Ktor, Material Design. React-Native, Room, and SQLite.

DevOps: Bitbucket, Git/GitHub/GitLab, AWS, Azure, IBM Cloud, Docker, Jenkins, Kubernetes, Maven, Red Hat OpenShift Container Platform (RHOCP), Agile Foundations, and Scrum Methodologies.

DevSecOps: Jira, GitHub/GitGuardian, Gradle, Maven, NPM, JWT, KeyCloak, Nexus, OWASP Top 10, OWASP ZAP, Snyk Security, and SonarQube.

Testing: JUnit, Mockito, Spring Test, Mocha, PyTest, Postman, and Advanced REST Client.

Software: Google Docs, Google Sheets, MS Office Suite, Photoshop, Canvas, PeopleSoft, Maple, MATLAB, MINITAB, R, S-Plus, and Tableau.

Transferable: Attention to detail, Communicating with stakeholders, Critical thinking, and Problem-solving.

PROFESSIONAL EXPERIENCE

Junior Full Stack Software Developer, Cognizant, Dallas, TX, May 2021 – December 2022.

Kaiser Permanente

- Cooperated within teams of four and six across the United States and India.
- Implemented security fixes on the frontend and backend based on Vulnerability Assessment Nexus reports.
- Managed project dependencies on the backend with Gradle and Maven and on the frontend with Node Package Manager (NPM).
- Kept track of tasks with Jira.
- Interacted regularly and remotely with team members on Zoom, Cisco Webex, and Microsoft Teams.
- Participated actively in professional development to improve and refine backend, frontend, dev-ops technical skills.

Enablement

- Utilized Spring Boot and Spring Cloud for backend development.

- Created interactive SPA frontend application using Angular.
- Secured Spring Boot application with KeyCloak.
- Followed the principles of Extreme Programming, such as Pair Programming and Test-Driven Development.
- Generated code with unit and integration testing for the frontend and backend.
- Worked within teams of four and six.
- Conducted weekly Sprints.

Junior Full Stack Software Developer, Revature, Reston, VA, March 2021 – January 2023.

Revature Max - Microservice Refactor

<https://gitlab.com/210301-java-azure/revature-max-frontend>

- Utilized Spring Boot and Spring Cloud for backend development.
- Implemented Spring AOP to log any errors.
- Refactored the existing backend architecture into microservices.
- Created interactive SPA front-end application using Angular.
- Collaborated with teams of four and six to complete the project.
- Constructed most of the app with Pair Programming.
- Generated all code in the backend with unit and integration testing.
- Hosted codebase in GitLab.

Full Stack App with Spring Framework and Angular

<https://gitlab.com/210301-java-azure/p2-hope>

- Utilized Spring MVC to handle requests and responses.
- Implemented Spring ORM to map model objects and create a relationship between them.
- Created interactive SPA front-end application using HTML, CSS, Angular, and TypeScript.
- Utilized Spring Test, Mockito, and JUnit for testing the business logic in the backend.
- Collaborated with a team of four to develop a full stack web application.
- Constructed parts of the app with Pair Programming.
- Integrated Scrum and Agile methodologies.
- Kept track of tasks with Trello.

Full Stack Java App with JavaScript, Javalin, and Hibernate

https://gitlab.com/210301-java-azure/miguel_rodriguez/p1-mesquite-bookstore

- Achieved Object Oriented Programming principles to structure the project.
- Refactored the backend to incorporate Hibernate.
- Created interactive web pages using HTML, CSS, Bootstrap, and JavaScript.
- Developed a full-stack application with JavaScript in the frontend and Java in the backend.
- Implemented Three-Tier Architecture to maintain separation of concerns.
- Hosted both the RESTful API and frontend on Azure App Services.
- Constructed DevOps pipeline using Jenkins.
- Managed project dependencies on the backend with Gradle.

Webmaster, Department of Philosophy, San Jose State University, San Jose, CA, August 2009 – May 2010

- Collaborated and coordinated with faculty across the department.
- Utilized PeopleSoft software system to design and maintain the philosophy department website.

OTHER EXPERIENCE

Adjunct Instructor, Department of Social Sciences, College of Southern Nevada, Las Vegas, NV, June 2013 – December 2018

- Held Federal security clearance.
- Established and maintained working relationships, both with colleagues throughout the department and with colleagues from Student Services.
- Participated actively in professional development to enhance teaching effectiveness.

Teaching Associate, Department of Philosophy, San Jose State University, San Jose, CA, January 2009 – May 2009; August 2009 – December 2009

- Designed engaging curriculum materials to enhance student learning outcomes.
- Dedicated regular office hours to provide academic support and guidance to students.
- Delivered interactive lectures to promote active student participation and understanding.
- Implemented diverse methods for student assessment to gauge comprehension and progress.
- Participated in faculty meetings to collaborate with colleagues on program improvements and student success.

Graduate Assistant, Department of Philosophy, San Jose State University, San Jose, CA, August 2007 – May 2008; August 2008 – December 2008; August 2009 – May 2010

- Advised and tutored students for a wide range of philosophy courses on an individual and group basis.
- Evaluated and assigned grades for assignments, essays, and exams for Professional and Business Ethics, Logic and Critical Reasoning, and Mathematics and Logic for General Education.

Research Assistant, Department of Mathematics, San Jose State University, San Jose, CA, August 2006 – December 2006

- Presented findings at a semi-annual public forum.
- Collaborated with faculty and fellow graduate students across the department.
- Performed empirical examination using improved linear algebra methods on MATLAB.
- Programmed MATLAB modules for a training set method known as Gaussian process regression

PROFESSIONAL CERTIFICATES

IBM Data Engineering.

IBM on Coursera. Issued June 2024

Relevant skills: Business Intelligence. Cognos Analytics. Google Looker Studio. Data Analysis. Database (DBMS). Data Warehousing. Data Science. ETL and Data Pipelines. NoSQL and Big Data Apache Spark. NumPy. Pandas. Python Programming. Relational Database Management System (RDBMS). SQL. Star and Snowflake Schema.

IBM AI Developer.

IBM on Coursera. Issued May 2024

Relevant skills: Artificial Intelligence. Chatbots. Deep Learning. Generative AI. Large Language Models. Machine Learning. Prompt Engineering. Python Programming. Software Engineering.

Google IT Automation with Python.

Google on Coursera. Issued April 2024

Relevant skills: Computer Networking. Customer Service. IT Infrastructure Services. IT Support. Operating Systems. Security. System Administration. Troubleshooting.

IBM Cybersecurity Analyst.

IBM on Coursera. Issued April 2024

Relevant skills: Breaches. Cyber Attacks. Data Protection. Digital Forensics. Exposed Data. Incident Response. Network Defense Tactics. Penetration Testing. Phishing. Ransomware. Scripting. Security Analyst. Security Information and Event Management (SIEM) tools. Threat Intelligence. Threat Management. Vulnerability Scanning.

Meta Android Developer.

Meta on Coursera. Issued February 2024

Relevant skills: Android Application. APIs. Gradle. JavaScript. Jetpack Compose. JSON. Kotlin. Material Design. Mobile Development. React. React-Native. Room. SQL. SQLite. UX/UI Design. Version Control. XML.

Google Cybersecurity.

Google on Coursera. Issued December 2023

Relevant skills: Authorization. Information Security. Intrusion Detection Systems (IDS). Linux. Python. Network Security. NIST Cybersecurity Framework. Risk Assessment. Security Information and Event Management (SIEM) tools. SQL. Threat Analysis. Vulnerability Assessment. Wireshark.

Meta Full-Stack Software Engineer.

Meta on Coursera. Issued November 2023

Relevant skills: APIs. Cloud Hosting. CSS. Databases. HTML. JavaScript. JSON. Python. React. SQL. UX/UI. Version Control. XML.

Meta Front-End Developer.

Meta on Coursera. Issued November 2023

Relevant skills: APIs, CSS. HTML. JavaScript. JSON. React. UX/UI Design. Version Control.

Meta Database Engineer.

Meta on Coursera. Issued August 2023

Relevant skills: Data Modeling, Database Design. Python. Django. SQL. MySQL Workbench. Version Control. Tableau.

Meta Back-End Developer.

Meta on Coursera. Issued July 2023

Relevant skills: APIs, Python. Django. SQL. JavaScript. JSON. Version Control. XML.

IBM Applied DevOps Engineering.

IBM on Coursera. Issued April 2023

Relevant skills: Agile Methodologies. Continuous Integration and Continuous Delivery (CI/CD). DevOps Engineering. GitHub. Kubernetes. Site Reliability Engineering (SRE).

IBM DevOps and Software Engineering.

IBM on Coursera. Issued March 2023

Relevant skills: Agile. Scrum. CI/CD Pipeline Automation. Linux. Python. Flask-Talisman. GitHub Actions. Docker. Kubernetes. OpenShift. Cross-origin Resource Sharing (CORS) Policies. Grafana. Nostests. REST APIs. Tekton. Test-Driven Development. ZenHub Kanban Board.

IBM Full Stack Software Developer.

IBM on Coursera. Issued July 2022

Relevant skills: Python. Django. SQL. NoSQL. JavaScript. Node.js. React. Docker. Kubernetes.

EDUCATION

San Jose State University, San Jose, CA

Master of Arts in Philosophy, May 2010

Focus: Logic. Ethics.

San Jose State University, San Jose, CA

Bachelor of Science in Applied and Computational Mathematics; Bachelor of Science in Computer Science; Minor: Philosophy, December 2006

Emphasis: Statistics

Focus: Computer Network Management

ACTIVITIES

UniteHere, *Volunteer*, Atlanta, GA, December 2020 - January 2021

- Followed CDC COVID-19 guidelines.
- Gathered voter registration data, soliciting votes and scheduling rides for voters.
- Assigned to a polling place on the day of the special election to ensure a free and fair election and guard against voter suppression.

Women's Business Enterprise National Council, *Volunteer*, Las Vegas, NV, June 2017

- Assisted attendees in registering for the event.
- Greeted and directed attendees to the appropriate area or personnel.

Project 150, *Volunteer*, Las Vegas, NV, February 2017

- Organized school orders.
- Sorted food and school supplies donations.

ALS Association Nevada Chapter, *Volunteer*, Las Vegas, NV, November 2015

- Assisted pastry and executive chef in setting up for a fundraising event.