**Victor Antonio Mendez**

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# **Summary**

I am an experienced Full Stack Developer with 10 years who has expertise in both the frontend and backend development of Java-based applications. I am skilled in Java frameworks like Spring Boot and Hibernate and JavaScript frameworks like React, Angular and Vue.JS. I have experience in Software Development Life Cycle using development methodologies and Agile principles. In addition, I am proficient in backend programming language such as Python, Golang, C# and have knowledge of various database technologies like SQL, NoSQL and Oracle. Apart from technical skills, I have strong problem-solving abilities, excellent communication skills, and the capability to collaborate effectively with stakeholders.

# **Skills**

**Programming Languages:** Java, Golang, Python, C#, TypeScript/JavaScript, Node.js, Kotlin, Scala

**Web Development:** J2EE, JSP, Spring, Spring Boot, Spring MVC, Spring Security, Hibernate, .NET, Angular, React, Vue.js

**Databases:** PostgreSQL, MongoDB, Oracle, DB2, DynamoDB

**Cloud Technologies:** AWS (Amazon EC2, Amazon RDS, Amazon S3, Lambda function), Azure, GCP

**DevOps:** Docker, Kubernetes, Terraform, Jenkins

**Messaging Systems:** JMS, Apache Kafka

**Version Control:** Git, SVN

**Testing:** Selenium, JUnit

**Logging:** Log4j

**Other Tools:** Maven, Jira, GitLab, Scrum, Kanban, Karma

# **EXPERIENCE**

## Senior Full Stack Developer

### Membersy | Austin, TX Feb 2019 – Jul 2023

* Designed and developed a healthcare analytics platform using Core Java, which resulted in a 30% improvement in data processing time, enabling healthcare professionals and administrators to make faster and more informed decisions.
* Implemented Spring Boot frameworks, reducing the development time by 40% and enhancing the scalability and maintainability of the dental care platform.
* Created custom controls and incorporated responsive design principles using JavaFX’s rich set of UI controls and CSS styling.
* Implemented comprehensive JVM monitoring and diagnostics strategies to ensure optimal application health and performance.
* Designed and developed high-performance backend services using Golang in a healthcare analytics platform, enabling real-time data processing and analysis for healthcare professionals.
* Developed a responsive, intuitive, and visually appealing user interface using the React and Angular frameworks with TypeScript, adhering to UX/UI design principles.
* Developed efficient and scalable RESTful APIs using Node.js, resulting in a 50% reduction in API response time and improved code maintainability through the use of clean and modular code practices.
* Leveraged Python for data analysis and machine learning tasks with GCP, enabling insights and predictions on healthcare trends and outcomes.
* Designed and implemented scalable and fault-tolerant architectures using Terraform modules and best practices, resulting in increased system reliability with zero downtime during peak usage periods.
* Designed and implemented a scalable and fault-tolerant real-time data streaming solution using Apache Kafka.
* Implemented PostgreSQL’s streaming replication and Oracle’s Data Guard to ensure high availability and disaster recovery.
* Optimized DynamoDB data models and read/write capacities to enhance performance and reduce costs.
* Developed a robust inter-process communication framework using JMS to facilitate seamless data exchange and reduce latency, improving system performance by 25%.
* Developed a modern software suite in .NET 6 with Azure Serverless Architecture with an Angular framework, resulting in a 20% reduction in response times and a 28% increase in system reliability.
* Managed the platform on AWS, utilizing services such as Amazon EC2, Amazon RDS, Amazon S3 and Lambda functions to achieve seamless scalability, enhanced reliability, and secure data storage, resulting in a 99.9% uptime and improved data security.
* Used Kubernetes to deploy, scale, and manage the platform, ensuring high availability, fault tolerance, and efficient container orchestration, resulting in a 30% reduction in deployment time and improved resource utilization.
* Implemented DevOps methodologies and tools, including Jenkins and GitLab, to automate and optimize processes, including the implementation of CI/CD pipelines.
* Deployed and maintained Linux-based infrastructure, managing a fleet of 100+ servers.
* Practiced Agile methodologies, including Jira for task management, resulting in efficient team collaboration.

## Full Stack Developer

### Jama Software | Portland, OR Apr 2017 – Jan 2019

* Developed and maintained enterprise-level Java-based web applications using Spring and Hibernate frameworks. Implemented robust authentication and authorization mechanisms with Spring Security for enhanced data security.
* Designed and implemented a scalable RESTful API using Spring MVC, enabling users to seamlessly access and retrieve project details, resulting in improved data accessibility and streamlined workflows.
* Developed visually appealing and user-friendly interfaces by building responsive pages on frontend frameworks such as React, Vue.js, and utilizing Tailwind CSS, TypeScript, Headless UI, and other tools.
* Automated data tasks in Jama Connect using Python. Tasks included importing and exporting data, updating items, and generating reports.
* Used Kotlin for server-side development, creating a robust and scalable web applications with improved performance and maintainability.
* Developed a Java EE-based CRM module that effectively managed customer data, streamlined sales processes, and enhanced customer service. The implementation resulted in +45% improvements in customer satisfaction and sales performance.
* Leveraged knowledge of GCP’s data analytics and machine learning services, such as BigQuery, Cloud Dataflow, Cloud ML Engine, and AI Platform to process and analyze large datasets.
* Managed Oracle databases for a large-scale enterprise application, ensuring data integrity, performance, and high availability.
* Designed and implemented highly scalable DynamoDB tables, indexes, and streams to seamlessly support diverse application requirements. Successfully handling over 10 million requests per day, ensuring exceptional performance and reliability.
* Developed modular and scalable e-commerce platforms using Microservices. Separated functionalities into individual services to enhance the user experience.
* Containerized and orchestrated microservices using Docker, Kubernetes and Apache Kafka, ensuring efficient deployment, scalability, and fault tolerance for the microservices ecosystem.
* Automated the development process using Azure DevOps and other CI/CD tools, enabling continuous integration and deployment of the application.
* Collaborated effectively using GitLab and Jenkins, fostering seamless code development, efficient code review processes, and continuous integration to ensure high-quality software deliverables.
* Ensured quality and reliability of web applications by implementing end-to-end testing using Selenium, JUnit and Log4j.

## Java Full Stack Developer

### Vention | New York, NY May 2013 – Jan 2017

* Developed a robust Java web application with a scalable MVC architecture, facilitating efficient resource management and seamless project progress tracking for enhanced productivity.
* Spearheaded the development and integration of critical features for an e-commerce platform, leveraging Spring Boot and Angular. Implemented product management functionalities and secure payment processing, resulting in an elevated online shopping experience for customers.
* Developed and maintained a dynamic web application using the J2EE API, incorporating Servlet, JSP, and JDBC technologies for seamless database connectivity. This resulted in a highly interactive and reliable web application.
* Utilized Java SE extensively for core functionalities, including collections, file handling, networking, and multithreading.
* Created a modern and user-friendly graphical user interface for a desktop application using JavaFX. Incorporated event handling and multimedia capabilities.
* Designed and developed high-performance and scalable backend systems using the power of Kotlin and Scala.
* Designed and implemented efficient RESTful APIs using Golang's built-in HTTP package to facilitate seamless communication between services.
* Designed, developed, and maintained DB2 databases for a large-scale enterprise application, ensuring optimal performance and data integrity.
* Implemented robust continuous integration and deployment pipelines using Jenkins and Terraform, ensuring efficient and reliable infrastructure deployments.
* Utilized industry-standard tools such as JUnit and Maven for comprehensive testing, Log4j for effective error logging, message tracking, and performance logs, and Git and SVN for efficient version control. These practices significantly enhanced code quality, traceability, and collaboration.
* Played a pivotal role in configuring, deploying, and supporting AWS infrastructure, expertly launching multiple AWS EC2 instances for seamless application deployment and scalability.
* Applied Agile methodologies, including Scrum and Kanban, to drive effective project management, fostering collaboration, adaptability, and timely deliverables.
* Performed backend test cases using JUnit and Angular test cases using Karma.

# **EDUCATION**

## Bachelor of Computer Science

### University of Houston | Houston, TX Apr 2009 – May 2013

Bachelor of Computer Science with a GPA of 3.8/4.0 from the University of Houston, including coursework in data structures, object-oriented programming, database systems, operating systems, and software engineering.