GIOVANNIE SÁNCHEZ DÍAZ

GSD

SOFTWARE ENGINEER - 2336 COND VISTA REAL II CAGUAS, PR 00727

SUMMARY

Senior Software Engineer with over 8 years of experience designing, developing, and deploying enterprise-grade software across aerospace, healthcare, and government industries. Proven track record in full-stack development, AI/ML integration, and cloud-native solutions. Skilled in modern UI/UX design (Angular, React), backend systems (C#, Python, SQL Server, NodeJS), and DevOps practices. Proven ability to transform business needs into scalable, high-performance applications that reduce costs and improve efficiency. Bilingual (English/Spanish) with strong collaboration and cross-functional communication skills.

ABILITIES

Versatile software engineer with end-to-end expertise in the Software Development Life

JOB EXPERIENCE

Lockheed Martin, Aguadilla PR   05/2022 - 09/2023
Software Engineer II

Lockheed Martin, Aguadilla PR   09/2023 - PRESENT
Senior Software Engineer III

- **CI HUB Enhancements**: Redesigned the Budget tab for Procurements and RDTE data, adding Excel-style tagging, tripod-based categorization, and ECharts dashboards. Improved document workflows and led a full UI redesign aligned with Microsoft/1LMX standards. Implemented responsive design, ensuring a consistent user experience across desktop and mobile.
- **AI Integration**: Developed and deployed multiple AI-driven solutions, including the AI Factory summarizer, SME Finder (Angular-based frontend that aggregates skills and matches employees to roles), and the "My Expertise" tagging feature that enriched structured data for AI expertise-matching.
- **LMOmniAI**: Designed and built both frontend and backend for LMOmniAI, a UI for a custom-trained LLaMA model with support for text encoding, conversation history, source referencing, dynamic layouts, and real-time streaming.
- **CI HUB Platforms**: Architected and delivered CI Catalog (user-managed platform for organizational links and subscription POCs) and CI Planner (role-based workspace with Gantt charts, Q&A, file uploads, tagging, and PowerPoint export automation).

giovannie.2009@gmail.com   N/A   1+7872482303   giovannie.2009@gmail.com

Cycle (SDLC). Skilled in network configuration, protocols, and mobile application development, with a proven ability to deliver scalable solutions in complex environments. Bilingual in English and Spanish, recognized for adaptability, teamwork, and cross-functional collaboration.

REFERENCES

Delivered upon request. Published apps, cv and repositories can be provided.

- **Data Automation**: Developed Python and SQL Server–based extraction algorithms to generate automated PowerPoint presentations and PDF reports directly from structured datasets.
- **Cloud & Infrastructure**: Supported cloud initiatives across AWS and OpenShift, leveraging SQL Server, Apache Spark, Lambda, EC2, S3, and VPCs to deliver scalable, fault-tolerant solutions. Built Cronjob automations that streamlined business operations by clearing download-related disk space and optimizing caching workflows.
- **Geospatial Solutions**: Migrated the LM Demographics Map from a legacy system to Angular + OpenStreetMap, incorporating GeoJSON for interactive state/territory mapping and integrating government APIs for elected official and demographic data. Eliminated legacy licensing costs, generating measurable savings.
- **Cross-Team Collaboration**: Partnered with AI specialists, product owners, and cloud engineers to deliver integrated solutions on aggressive timelines, consistently balancing innovation, performance, and compliance in a highly regulated environment.

Assistance, Guaynabo PR

10/2019 - 05/2022

Software Engineer

- Engineered web and native mobile applications for Dr. Security Spain, enabling on-demand tracking of user's gyroscope, camera, and microphone for emergency situations.
- Actively participated in all phases of the Software Development Life Cycle (SDLC), including requirements gathering, design, implementation, testing, and deployment.
- Developed a multi-platform Telemedicine application using the MERN stack (MongoDB, Express.js, ReactJS, Node.js), facilitating medical appointments via Android, iOS, WEB, and WebRTC for audio, video, and chat sessions.
- Collaborated with business stakeholders to analyze and optimize existing business workflows.
- Created comprehensive documentation for both current and newly developed software, focusing on testing and quality assurance.
- Developed an Android SDK using Java/Kotlin for the partnership between MMM medical insurance and Dr. Security.
- Collaborated with the IT Department to identify risks, optimize infrastructure, improve processes, strengthen security, and provide key metrics for compliance with local and federal standards.
- Conducted research on emerging technologies, including ReactJS and other frameworks, to identify and implement solutions for enhancing existing applications.
- Expanded and customized OSTicket open-source software to meet specific internal operational requirements.

INVID, Guaynabo PR

04/2019 - 10/2019

Software Developer

- Migrated and extended existing web and mobile applications, specifically Social Alert/Contigo, for the Autonomous Municipality of San Juan.
- Provided technical support and coaching to software developers within the team.
- Developed a custom algorithm to automate judge assignment for the Court Administration Office, significantly improving efficiency.
- Utilized Angular 8 or BackboneJS as the primary frontend stack for the clients.
- Developed web server-side applications using ASP.NET Core or Java Spring Boot according to the client's criteria, some clients were OAT and Karibe.

CEGSoft, Guaynabo PR

07/2017 - 04/2019

Junior Software Developer

- Developed and maintained full-stack ASP.NET MVC C# applications for existing products, including Expert Taxes, Taxmania, and FollowIt.
- Optimized, debugged, and redesigned various application sections, successfully meeting evolving requirements and enhancing performance.

- Contributed across all phases of the Software Development Life Cycle (SDLC), from design and development to testing and deployment.
- Built and developed a custom internal framework, including AngularJS components and a C# backend, utilizing the NuGet package manager and integrating with MS Team Services.
- Prototyped and researched a custom hybrid Ionic application for internal requirements, utilizing the Outlook API.

Entrepids, San Juan PR   01/2017 - 07/2017
Frontend Web Developer

- Specialized in Magento e-commerce frontend development.
- Managed and delivered projects for several clients in Latin America, including Best Buy, GNC, Axalta, and Dormimundo.
- Designed and coded native Android e-commerce layout demo for GNC in Java, emphasizing navigation and core design elements.
- Created design mockups and digital assets using industry-standard tools like Adobe Illustrator and Photoshop.
- Developed and implemented responsive UI/UX solutions, ensuring optimal user experience across diverse platforms and devices.

USC, San Juan PR   09/2015 - 09/2016
IT Support

- Researched and implemented AI-powered Vader sentiment analysis on Twitter API data, focusing on user's geo-location using Python.
- Managed a Linux (Ubuntu) server, including complete setup, configuration, and maintenance of Apache webserver for hosting WordPress.
- Designed, coded hybrid internal mobile portal for visitors using Ionic UI.

EDUCATION

M.S. Computer Science   2024 - PRESENT

Inter American University, Fajardo P.R.

B.S. Computer Science   2016

University of The Sacred Heart, Santurce P.R.

High School 4th Year   2012

School Francisco Morales, Naranjito P.R.

CERTIFICATIONS

AWS Cloud Practitioner   2023

449457244

Deep Neural Networks with PyTorch   2024

Credential ID: NCZD7LK35BWP

TECHNICAL SKILLS

- **Languages**
  - VB.NET, C#, CPP/C++, HTML5, CSS3, JavaScript, Java, PHP, Python, SQL, Swift, Kotlin, TypeScript, Rust.
- **Object Notation/Markup**
  - JSON, XML/XAML, Markdown, YAML.
- **Development Tools/Frameworks**
  - Angular, .NET Framework, ASP.NET MVC, Bootstrap, React Native, Android Studio/SDK, LINQ, Entity Framework, Laravel, React.JS, Docker, Gitlab, Anaconda, NVM, jQuery, AJAX, Maven, Express.JS, BackboneJS, NGRX.
- **Scripting**
  - NodeJS, Python, PHP, Bash/Shell.
- **Databases**
  - MySQL/MariaDB, SQL Server, Mongo DB, Elasticsearch, Apache Spark.
- **Operating Systems**
  - Windows, macOS, Linux.
- **Version Control**
  - Git, Subversion, Gitlab CI/CD.
- **Tools**
  - MS Office, Photoshop, Adobe Acrobat, VMWare, VirtualBox Oracle, VPN, Firewall, Source Tree, Jira, MS Team Services, Slack, MS Teams, Docker.
- **Cloud**
  - AWS: EC2, S3, Lambda, RDS, Cloud Watch, Fargate.