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OSCAR CALDEIRA VIEIRA

Results-driven Senior Software Developer with 7+ years of experience architecting and delivering innovative, scalable solutions. Specialized in platform optimization, HIPAA/HITRUST compliance, and advanced interoperability using FHIR and HL7 protocols. Proven success in leading multidisciplinary teams, reducing operational bottlenecks by up to 30%, and accelerating delivery pipelines. Expert in building secure, cloud-based ecosystems for medical data management. Committed to driving technical excellence, fostering innovation, and aligning technology initiatives with organizational growth strategies.

Experience

Technical Manager
Zeal Tech LLC / Referwell | Lima, Peru / Remote | Jun 2022 - Apr 2024

- Stabilized the Zeal Tech platform through technical optimizations, significantly reducing bottlenecks in critical processes and improving system performance.
- Spearheaded platform certification under HIPAA and HITRUST standards, ensuring adherence to the highest security and compliance measures.
- Implemented integrations with healthcare interoperability protocols (FHIR and HL7) to enhance system communication and data exchange.
- Led the technical management of Referwell integrations, connecting with key healthcare providers such as Athena Health, ZocDoc, and Kno2.
- Coordinated multi-vendor integration projects, ensuring seamless interoperability across diverse platforms while maintaining strict HIPAA compliance.
- Orchestrated agile team methodologies, including SCRUM, to boost operational efficiency and consistently meet delivery milestones.

Founding Member and Technical Lead
Zeal Tech LLC / Qhali | Lima, Peru | Feb 2024 - Present

- Defined and analyzed technical requirements for a healthcare platform from conceptualization through to deployment.
- Managed and coordinated a multidisciplinary team of engineers and AI specialists, promoting collaboration and innovation.
- Designed and implemented interaction flows utilizing Large Language Models (LLMs) such as GPT-4 and customized models hosted on Azure AI.
- Established a DevOps approach using Azure, optimizing CI/CD pipelines and enhancing automation across development workflows.
- Created a scalable, secure ecosystem for managing sensitive medical data, leveraging data vectorization and historical diagnosis analysis.

Full Stack Developer / Tech Lead
E-managing Solutions | Remote | Jun 2016 - Jun 2021

- Engineered and developed customized CRM systems for clients in the real estate and financial industries, tailoring solutions to specific business needs.
- Led projects that integrated communication platforms, including Twilio and Facebook SDK, significantly improving client interaction capabilities.
- Implemented rigorous unit testing strategies to ensure robust, scalable, and reliable software solutions, achieving high system uptime and performance.

Software Developer / Technical Lead
XCS Professional Services | Caracas, Venezuela | 2010 - 2016

- **Convertec de Venezuela - Company Portal**: Orchestrated the creative design and implementation of a corporate portal using WordPress, resulting in improved corporate communication and online presence.
- **SISGERET V1**: Designed and developed a comprehensive tax withholding and billing management system, streamlining financial operations for clients.
- **Social Popups**: Created an innovative app for direct marketing via social media, incorporating real-time notifications of offers, significantly increasing user engagement.
- **Leads Scrubbed App**: Engineered a system for refining potential client lists and cold call processes, improving the efficiency of the sales pipeline.
- **GoonWebinar**: Oversaw the maintenance and module development for a webinar platform, integrating WebRTC and PayPal API for a seamless user experience.

Backend Developer / Team Lead
Sistemas Webconsult | Caracas, Venezuela | 2005 - 2009

- **RETS**: Managed and developed modules for a contractor management system used by PDVSA, ensuring high performance and system reliability.
- **SISCON V2**: Led the development of an online congress and events management system, delivering a user-friendly platform for event organizers.
- **SISCONET**: Designed and implemented a versatile tool for congress and event management, streamlining event planning and execution.
- **SISCOL**: Functioned as a Full Stack Developer for an administrative system, enhancing the generation and management of collective contracts.
- **Educa3.0**: Innovated an augmented reality teaching system for natural sciences, designing user interfaces and programming immersive experiences.

EDUCATION & CERTIFICATIONS

Bachelor's Degree - Systems Engineer
Universidad Nacional Experimental de las Fuerzas Armadas (UNEFA) | Caracas, Venezuela | Jul 2010 - Jul 2015

- Honors Mention

Certification - Web Application Development
IBM Advance Career Development | Caracas, Venezuela | Feb 2005 - Apr 2006

Specialization - Electronics
Universidad Simón Bolívar | La Guaira, Venezuela | Jul 2001 - Aug 2004

Selected Certifications

- **Introduction to Generative AI** — Google, Apr 2024
- **Introduction to Large Language Models** — Google, Apr 2024
- **Introduction to Responsible AI** — Google, Apr 2024
- **Prompt Design in Vertex AI (Skill Badge)** — Google, Apr 2024
- **Responsible AI: Applying AI Principles with Google Cloud** — Google, Apr 2024
- **How to Use ChatGPT in Healthcare** — edX, Sep 2023
- **MySQL Advanced Topics** — LinkedIn Learning, Dec 2022
- **Elasticsearch Essential Training** — LinkedIn Learning, Nov 2022
- **DevOps Essentials** — LinkedIn Learning, Oct 2021
- **Amazon Web Services (AWS) for IT Professionals** — LinkedIn Learning, Nov 2021
- **Conviértete en desarrollador Python** — LinkedIn Learning, Nov 2021
- **Conviértete en profesional de Big Data para los negocios** — LinkedIn Learning, Nov 2021
- **Azure for IT Administrators** — LinkedIn Learning, Nov 2021
- **Fundamentals of Agile Methodologies for Software Development** — LinkedIn Learning, Oct 2021
- **SCRUM Advanced** — LinkedIn Learning, Oct 2021
- **Fundamentals of Six Sigma: Green Belt** — LinkedIn Learning, Oct 2021

TECHNICAL SKILLS

- Programming: Python, JavaScript, PHP
- Frontend: Angular, HTML5, CSS3, WordPress
- Backend: Node.js, Django, Laravel
- Cloud Platforms: Azure, AWS
- DevOps: CI/CD pipelines, Azure DevOps, Docker
- Databases: MySQL, PostgreSQL, MongoDB, Elasticsearch
- AI & Machine Learning: GPT-4, Vertex AI, Generative AI
- Web Technologies: RESTful APIs, SOAP, FHIR, HL7
- Project Management: Agile, SCRUM, Kanban
- Monitoring & Analytics: Datadog

SOFT SKILLS

- Leadership and Team Management
- Problem-Solving and Analytical Thinking
- Communication and Cross-Cultural Collaboration
- Adaptability and Flexibility
- Mentoring and Coaching
- Results Orientation
- Process Improvement and Risk Management

LANGUAGES

- Spanish: Native
- English: Conversational
- Portuguese: Conversational