

Heraldo Orlando de Oliveira Sonhi

Software Engineer

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Experience

Software Engineer

Nov 2024 - Present TIS TECH Angola

- Software development on a Microservices CI/CD architecture within an Agile environment in the AGT 4.0 portfolio.
- Development and enhancement of Backend Applications, REST/SOAP Webservices and APIs, code debugging, optimization and scalability, Application support and systems maintenance on the Java ecosystem.
- Collaboration with Scrum Master, PMOs and QAs to successfully deliver Jira tickets and inherent tasks.
- Stack: Java, Spring (Boot, Security, Data), JPA, JSF, Primefaces, Hibernate, Maven, Swagger, Jasper Reports, REST, SOAP, Oracle WebLogic, Oracle 12c, Vue.js, TypeScript, Git, GitLab, Jira, Agile (Scrum, Kanban).

Tech Lead

Nov 2021 - Oct 2024 Universidade Jean Piaget de Angola

- Lead the internal development team comprised of 5+ members and work cycle for the Piaget Institute of Angola (UJPA, ISPJPB), working on the development of the integrated Information system for it's overall physical campuses.
- Determine technical requirements, methodologies, languages and tools, specify machine configurations, equipment and accessories, provide project estimates and schedules, task delegations, work procedures and code reviews.
- Setup and maintenance of development and production environments on bare metal and virtual machines, 24/7 local and remote support, onboarding, supervision and technical assistance to team members.

Senior Software Developer / FullStack Engineer

Jun 2018 - Oct 2024 Universidade Jean Piaget de Angola

- Solutions development for internal departments, centers and faculty units including Software Applications, Portals, Microservices, APIs, Reporting and BI. Provision of routine security updates, source control, process automation, reverse engineering on legacy applications, unit tests, patches, builds, deployments and code migration to/from platforms.
- Software integration with Active Directory LDAP, Biometric systems, GSM Modules, ERPs among others, development of internal services such as ADDS SSO, Access Control, Logging, SQL Agents, SMS and Message Brokers.
- Deployment of cloud resources on Microsoft Azure, WebMails automation with M365 Graph API (Microsoft Graph), Reports and Datasets integration with PowerBI, Real time notifications with SignalR, Analytics with Google and SAP.
- Database administration Oracle 11g, SQL Server 2014/7 and MySQL, SQL scripting (Procedures, Triggers, Functions, CronJobs), SQL Performance Tuning in PL/SQL and T/SQL, Data management (Analysis, Processing, Reporting, Auditing), Data Modeling (UML), ETL (Extract, Transform, Load), Local and Azure SQL database migration.
- Applications performance monitoring, load testing and optimization for peak demand across campus and remote access, provision of technical documentation, user manuals and video tutorials, generic support and training to end users.
- Stack: .NET, .NET Core, IIS, VB, VBA/Macros, C#, WinForms, ASP.NET MVC, Razor, LINQ, Entity ORM, Java, Spring, JavaScript, Sass, WebSockets, Reporting (SAP Crystal Reports, iText, OpenXml), Virtualization (VMware vSphere, Docker, Hyper-V), Analytics (PowerBI, HighCharts, Google Analytics), Cloud (Azure), LMS (Moodle), DBA (Workbench, Oracle SQL Developer, MS SQL Studio), V/Paradigm, Git, GitHub, Postman, CoreFTP, RabbitMQ, Apache JMeter.

Senior Software Developer and Technical Consultant

Feb 2018 - May 2018 ClickIT Internet Solutions

- Fintech SaaS product development, advanced invoicing and billing software by subscription model using LAMP stack.
- Service and features development such as ATM payment gateway integration (ProxyPay), Currency Exchange, secure PDF digital signatures, REST Web Service API, AGT (Angolan Tax Administration) parametrization and certification, SAFT-AO files among others, API documentation, technical support and incident management via ticketing platform.
- Stack: CpanelUAPI, Apache Server, PHP, MySQL, REST, JavaScript, Ajax, jQuery, Bootstrap, XML, JSON, SVG, HighCharts, DomPDF, Fdpf, FPDF, PDFMerger, setAssignPDF, Open Exchange Rates.

Web Developer

Sep 2016 - Jan 2018 MwangoBrain

- Web and Mobile applications development, design of layouts and user Interfaces, software solutions analysis, information and requirements gathering, prototyping, data modeling and database schema development.
- Web hosting and domain administration, Webmastering, Web Services, SEO, Social media integration through Graph APIs, implementation of security measures such as OAuth2, Salt Encryptions, SSL Certificates, Tokens etc.
- Stack: Ionic, Node.js, MongoDB, Java, Gradle, Android SDKs (GSON, Retrofit, OkHttp, GPS, Maps API..), LAMP (Linux, Apache, MySQL, PHP), JavaScript, Ajax, jQuery, CSS.

Education

Bachelor of Science (**BSc**) in Business Information Systems **Honours, 2011-2015**, IUM, Republic of Namibia

Professional certifications

AWS Certified **AI AIF-C01** / **CCP** / **Oracle** OCI 2024 Certified Generative **AI** Professional / **AI** Foundations Associate
Scrum Foundation Professional / **Microsoft** Certified **Azure** / Azure **AI** / **Security** / **Database** Fundamentals

Summary of technical skills (Non exhaustive)

Dev Stack: Java, C#, Python, JavaScript (React, Vue.js, Node.js, TypeScript), Sass, Tailwind, Bootstrap
DB / Cloud / AI: MySQL, SQL Server, Oracle 12c, MongoDB / Azure, OCI, AWS (EC2, S3, Lambda) / LLMs, RAG, LangChain

Soft skills

Critical-thinking, Problem-solving, Dynamic, Proactive, Fast paced, Languages (Portuguese and English)