

# Heraldo Orlando de Oliveira Sonhi

## Software Engineer

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## Experience

### Software Engineer

**Nov 2024 - Jun 2025** TIS TECH Angola

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

### Tech Lead

**Nov 2021 - Oct 2024** Universidade Jean Piaget de Angola

- Lead the development team comprised of 5+ members and work cycle for the Piaget Institute of Angola, UJPA, ISPJPB.
- Lead the design, development and implementation of information systems across the institution's IT departments.
- Determine technical requirements, methodologies, languages and tools, specify machine configurations, equipment and accessories, provide project estimates and schedules, sprints, task delegations, work procedures and code reviews.
- Configuration and maintenance of development and production environments on bare metal and virtual machines, 24/7 onsite and remote support, onboarding, supervision and technical assistance to team members.

### Senior Software Engineer

**Jun 2018 - Oct 2024** Universidade Jean Piaget de Angola

- High performance 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 and enhancement 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, on-premises and Azure SQL database migration, Government compliance and Data statistics.
- Applications performance monitoring (APM), 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.

### 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, REST Architecture, PHP, MySQL, JavaScript, Ajax, jQuery, Bootstrap, XML, JSON, SVG, HighCharts, DomPDF, Fdpp, FPDF, PDFMerger, setAssignPDF, Open Exchange Rates.

### Web Developer

**Sep 2016 - Jan 2018** MwangoBrain

- Web development, Hybrid and Android OS Mobile 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 Framework, Node.js, MongoDB, Java, Gradle, Android SDKs (GSON, Retrofit, OkHttp, GPS, Maps API..), LAMP (Linux, Apache, MySQL, PHP), JavaScript, Ajax, jQuery, CSS, XML.

## Education

**B.Sc** in Business Information Systems **Hons**, Department of Information Technology, IUM, Republic of Namibia - **2011-2015**

## Professional certifications

**AWS** Certified **AI** Practitioner / **Cloud** Practitioner / **Oracle** OCI 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, Python, C#, JavaScript, TypeScript, React, Vue.js, Node.js, NestJS, Sass, Tailwind, GraphQL, Docker, Git  
DB / Cloud / AI: MySQL, SQL Server, Oracle, MongoDB, Redis / Azure, OCI, AWS (EC2, S3, Lambda) / LLMs, RAG, LangChain

## Soft skills

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