

Daniel Moreira

Expert Senior Software Engineer | Full-Stack Developer | AI Engineer

SUMMARY

Software engineer with a robust background in full-stack development and proven expertise in Java and Python. Demonstrated success in architecting and implementing high-transaction APIs with low latency in Java/Spring Boot, and optimizing ETL pipelines using Python/Airflow. Experience includes substantial cost reductions and performance enhancements in cloud environments, AI-driven application development, and leading large-scale software migrations and modernization projects. Holds a master's degree in Computer Science and possesses advanced certifications from prominent institutions, encompassing Java, AWS, and Docker, accompanied by a strong foundation in Agile methodologies.

TECHNICAL SKILLS

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| Main Technical Skills | Java, Python, JavaScript, TypeScript, SQL |
| Programming Languages | Java, JavaScript, Python, TypeScript, VBA |
| JavaScript Frameworks | Angular |
| Python Frameworks | Django REST framework |
| Java Frameworks | Hibernate, Spring Boot |
| AI & Machine Learning | Spacy |
| .NET Platform | VBA |
| Data Analysis and Visualization Technologies | Celonis, Data Analysis, Data visualization |
| Databases & Management Systems / ORM | Data Lake, Hibernate, SQL |
| Azure Cloud Services | Azure DevOps, Azure VM |
| Google Cloud Platform | GCE |
| Methodologies, Paradigms and Patterns | Agile, Clean Architecture, microservices |
| SDK / API and Integrations | API |
| Platforms | Microsoft Power Platform |
| QA, Test Automation, Security | QA Automation |

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| Other Technical Skills | Unreal Engine |
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WORK EXPERIENCE

Senior Full-Stack Developer, Java/Spring Boot API Development and ETL Pipeline Optimization

Duration: 2021 - 2024

Summary: Led the optimization of ETL pipelines to reduce runtime significantly.

Responsibilities: Architected Java/Spring Boot APIs, optimized Python/Airflow ETL pipelines, improved AWS Lambda cost efficiency, developed real-time fraud detection dashboard.

Technologies: Java, Python, Spring Boot, React, Redux, AWS Lambda, JUnit, Terraform

Python/Java Tech Lead, PHP to Java Migration and AI Recommendation Engine Development

Duration: 2017 - 2021

Summary: Managed a team during the complete migration from PHP to Java and built an AI-powered recommendation engine.

Responsibilities: Led PHP to Java migration, created Python-based AI recommendation engine, integrated security features into Angular admin portal.

Technologies: Java, Python, Spring Boot, Angular, OAuth2, JWT

Web Development Specialist, Patient Portal Scaling and Java Module Integration

Duration: 2012 - 2017

Summary: Scaled a Django-based application to a larger user base and integrated a Java module to improve data accuracy.

Responsibilities: Scaled patient portal, integrated HL7/FHIR Java module, optimized frontend performance.

Technologies: Django, Java, Redis, JavaScript, CSS3

Senior Software Engineer, Inventory Management System

Summary: Developed an inventory management system with efficient backend and user-friendly dashboard.

Responsibilities: Created backend with Spring Boot, crafted frontend dashboard with Material-UI including real-time stock alerts.

Technologies: Java, Spring Boot, JPA/Hibernate, React, Material-UI

AI Engineer, AI Chatbot Platform

Summary: Implemented an AI chatbot platform that enhanced conversation handling and reduced customer service tickets significantly.

Responsibilities: Built NLP engine with spaCy & BERT, handled multi-channel integration with WhatsApp Business API.

Technologies: Python, Django, spaCy, BERT, WhatsApp Business API

EDUCATION

- **MSc in Computer Science**

Nanyang Technological University

2010 - 2012



CERTIFICATION

- **Oracle Certified Java SE 11 Developer**
2023
- **AWS Certified Developer**
2024
- **Docker Certified Associate**
2024
- **Scrum Master (PSM 1)**

