

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

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
Virtualization, Containers and Orchestration	GCE
Platforms	Microsoft Power Platform
QA, Test Automation, Security	QA Automation
Other Technical Skills	Unreal Engine

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)**