

ABDELHAFID CHETOUANI

Full-Stack Software Engineer

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PROFESSIONAL SUMMARY

Full-stack software engineer with 7+ years of experience across enterprise application development and production support, complemented by current experience in generative AI training and LLM output evaluation, including 3 enterprise modernisation programmes and 3+ years of Level 3 ERP support. Strong in Angular 14-20, TypeScript, Java 8/17, Spring Boot 3, Node.js, REST APIs, Oracle, PL/SQL and SQL Server, with experience supporting business-critical solutions across public sector, finance, HR and payroll, taxation, education, industrial and retail environments. Currently evaluates generative AI and LLM outputs, validates training data and reviews code across 3 programming languages, while applying prompt engineering techniques and investigating both model-training and inference issues. Brings end-to-end capability spanning requirements analysis, technical design, reusable front-end development, back-end integration, SQL optimisation, automated testing, production incident resolution and Agile collaboration. Combines deep technical execution with nearly 4 years of commercial operations experience managing suppliers, customers, accounts and inventory.

PROFESSIONAL EXPERIENCE

Labelbox, SOFTWARE ENGINEER - AI TRAINING

02/2026 – Present

- Evaluated generative AI and LLM-generated technical outputs across 4 quality dimensions: correctness, relevance, reliability and alignment with task requirements.
- Executed a 3-stage data-quality process covering labelling, annotation and validation to strengthen the consistency of model-training and evaluation datasets.
- Wrote, reviewed and refined AI-generated code across 3 programming languages - Java, TypeScript and JavaScript - applying clean-code principles and Git-based version control.
- Applied 2 levels of software testing - unit and integration testing - to validate functionality, identify regressions and assess edge-case handling.
- Used prompt-engineering techniques to evaluate 4 critical areas: multi-step reasoning, instruction adherence, technical accuracy and output completeness.
- Conducted code-quality reviews against 4 engineering criteria: correctness, readability, maintainability and testability.
- Investigated complex defects across 2 AI workflow layers - model training and inference services - documenting root causes, reproduction steps and technical findings.
- Identified recurring model-failure patterns involving reasoning gaps, coding defects, incomplete responses and misinterpretation of technical instructions.
- Produced structured technical feedback that converted model weaknesses into clear, actionable recommendations for downstream reviewers and AI-training teams.
- Maintained traceability of code changes, testing evidence and review decisions through Git-based workflows and structured documentation.

Berger-Levrault, FULL-STACK SOFTWARE ENGINEER

02/2022 – 05/2026

- Contributed across 3 enterprise modernisation programmes - SOFE, SeditRH and WeMagnus - during a 4+ year tenure, moving legacy client-server products towards maintainable web architectures using Angular 14-20, TypeScript, Java 8/17, Spring Boot 3 and Node.js.
- Translated requirements across 7+ functional and sector domains, including finance, HR, payroll, taxation, investment, public administration and education, into technical designs, application features and integration requirements.
- Designed responsive, user-focused interfaces and reusable Angular components to strengthen consistency, maintainability and development efficiency across product modules.
- Developed and integrated secure REST APIs between front-end and back-end layers, supporting reliable information exchange across enterprise workflows.
- Optimised application performance and SQL queries across 2 database platforms - Oracle and SQL Server - resolving bottlenecks and improving data-access efficiency.
- Applied 4 testing, quality and observability tools - Cypress, Playwright, SonarQube and Dynatrace - alongside unit testing to strengthen release quality and production visibility.
- Collaborated with product, business, QA and development stakeholders in Agile/SCRUM teams, contributing to technical decisions, delivery planning, defect resolution and continuous improvement.
- SOFE - Financial, HR, Payroll, Investment and Taxation Platform: Contributed to the migration of a legacy client-server solution serving 5 institutional segments - local authorities, hospitals, companies, industry and education - into an Angular web application using Node.js, Oracle 11g and PL/SQL.
- SeditRH - Human Resources Management Solution: Supported the renovation of an HR platform for local authorities using Angular, Java 8, Spring, Oracle 12c, Maven, Git and SQL batch processing.
- WeMagnus - Enterprise Management Solution: Developed and maintained a modern Angular application backed by Java/Spring and SQL Server 2019 for 3 organisation types: public authorities, industrial organisations and companies.

Sochpa, BUSINESS MANAGER

12/2017 – 09/2021

- Managed end-to-end commercial and administrative operations across customer service, supplier coordination, purchasing, inventory control, invoicing and account follow-up.
- Coordinated the complete customer-order lifecycle, from enquiries and quotations through order confirmation, fulfilment, delivery and post-sales support.
- Managed supplier relationships, compared commercial quotations, placed purchase orders and followed up on deliveries to maintain product availability and operational continuity.

- Monitored inventory levels, stock movements and replenishment requirements, helping minimise shortages, excess stock and fulfilment delays.
- Maintained accurate records of customer transactions, supplier invoices, payments, outstanding balances and supporting commercial documentation.
- Followed up on accounts receivable and payable activities, resolving invoice, payment and transaction discrepancies with customers and suppliers.
- Prepared periodic sales, inventory, purchasing and account reports to support operational planning and management decision-making.
- Resolved customer complaints, supplier delays and order discrepancies by coordinating timely corrective actions with the relevant stakeholders.
- Improved the organisation of business records and operational workflows through structured spreadsheets, digital documentation and standardised tracking processes.
- Balanced competing commercial priorities while maintaining responsive communication with customers, suppliers and internal stakeholders.

Harman International, L3 APPLICATION SUPPORT ANALYST ENGINEER10/2014 – 11/2017

- Provided 3+ years of Level 3 application support for business-critical ERP Retail G.O.L.D. production environments, resolving complex incidents and end-user enquiries while protecting service continuity.
- Investigated application logs, Oracle databases, PL/SQL procedures, batch jobs and server alerts to identify root causes and restore affected services.
- Managed technical incident response from diagnosis and workaround development through defect escalation and recovery support, frequently using PL/SQL and detailed evidence for development teams.
- Monitored production servers, scheduled processing and data flows, responding proactively to alerts, failed jobs and performance anomalies.
- Communicated planned and unplanned downtime, major incidents, workarounds and recovery status to project stakeholders and support teams.
- Performed QA testing and functional validation across 2 G.O.L.D. product environments - Central and Mobile - helping verify fixes, reduce repeat incidents and improve application stability.

EDUCATION

MASTER'S DEGREE IN PROJECT MANAGEMENT, University of Quebec at Chicoutimi	09/2015 – 12/2018 Casablanca
MASTER MIAGE - NEW TECHNOLOGIES AND PROJECT MANAGEMENT, Universite Cote d'Azur	09/2013 – 10/2014 Casablanca
ENGINEERING DEGREE IN COMPUTER SCIENCE AND NETWORKS - MIAGE Ecole Marocaine des Sciences de l'Ingenieur	09/2011 – 09/2014 Casablanca
SPECIALISED TECHNICIAN DIPLOMA - COMPUTER DEVELOPMENT TECHNIQUES, OFPPT	09/2009 – 07/2011 Casablanca

TECHNICAL SKILLS

Languages: Java 8/17, TypeScript, JavaScript, Python, SQL, PL/SQL, HTML5, CSS3, PHP, Shell Scripting, Pro*C
Frameworks & Platforms: Angular 14-20, Spring Boot 3, Spring Framework, Node.js, REST APIs, ERP G.O.L.D.
Databases: Oracle 10g/11g/12c, SQL Server 2019
Testing & Tools: Cypress, Playwright, JUnit, SonarQube, Dynatrace, Maven, Git, GitHub, GitLab

CERTIFICATIONS

Generative AI - Outskill.com
Mid-Level Angular Developer - In Progress | Certificates.dev

CORE COMPETENCIES

Software Engineering Full-Stack Development, Enterprise Application Modernisation, Front-End Architecture, Back-End Integration, REST API Development, Reusable Components	Artificial Intelligence Generative AI, LLM Output Evaluation, AI Training, Prompt Engineering, Data Annotation & Validation, Code Review, Local AI Agents
Quality, Operations & Delivery Automated Testing, Performance Optimisation, Application Support, Incident Management, Root Cause Analysis, Production Monitoring, Requirements Analysis, Agile/SCRUM, Stakeholder Communication	

LANGUAGES

Arabic Native	French Bilingual	English Upper-Intermediate
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