Rui Couto

LEAD SOFTWARE ENGINEER
IT PROJECT MANAGER

+351 91 23 25 718
+49 170 23 25 718
mail@ruicouto.com

Munich, Germany
https://ruicouto.com
https://linkedin.ruicouto.com

PROFILE

Curious about computers from a young age, I found my way into software engineering—unexpected at first, but now one of my biggest passions. I've specialized in backend development within FinTech and InsurTech, and more recently, I've pivoted to Cloud migration projects in the automotive sector, driven by a strong belief in technology's power to modernize traditional industries.

WORK EXPERIENCE

TECH LEAD & IT PROJECT MANAGER
BMW AG | Nov 2023 - present
- Lead technical decision-making for my sub-product in accordance with BMW group guidelines and IT best practices
- Oversaw vendor to implement technical solutions and requirements
- Ownership of TLM (Technology Lifecycle Management) topics
- Coordination with external stakeholders to implement necessary changes
- Management of large-sized IT projects
  - Established and executed reporting processes to track progress and ensure all project milestones were achieved as scheduled
- Development of Cloud transition strategy and architecture
- Improvement of internal processes - stock optimization algorithm
  - Reduction of infrastructure costs by 76% with performance improvements of 87%, overall yearly savings of about 70k EUR

Technologies: Java 11-21, Quarkus, PostgresSQL, Oracle SQL, Kubernetes, Docker, Kafka, Liquibase, Flyway, Hibernate, Microservices, JUnit, Maven, Git, REST APIs, Keycloak, JIRA, AWS, JSF

SENIOR SOFTWARE ENGINEER & PEOPLE LINK
apinity GmbH (prev. Syncier GmbH) | Aug 2021 - Oct 2023
- Architecture, data model & API design of new features (micro service and event driven design)
- Development/Implementation of requirements
- Lead for key stakeholders integration needs: design, refinement, estimation, planning and implementation
- Responsible for complex migrations and tech debt tackling - achieving monthly costs reduction and eventually rewriting over 60% of the codebase
- Career management & mentoring, including establishing new processes
- Evaluation & performance review of peers
- Interviewing and recruiting
- Meeting facilitation

Technologies: Java 11-17, Spring Boot, PostgresSQL, Azure Cloud, Kubernetes, Docker, Kafka, Axon, gRPC, Liquibase, Hibernate, Hazelcast, Microservices, JUnit, Gradle, Git, REST APIs, Keycloak, JIRA

EDUCATION

MSc Software Engineering
Faculty of Engineering,
Porto University
2013 - 2015

BSc Computer Science
Faculty of Engineering,
Porto University
2010 - 2013

SKILLS

TECHNICAL

Java

Spring | Spring Boot | Quarkus

Kafka | gRPC | REST | SOAP

SQL | Hibernate | Liquibase

Docker | Kubernetes

JUnit | Selenium | Newman

Gradle | Maven

Azure Cloud | AWS

Rui Couto

LEAD SOFTWARE ENGINEER
IT PROJECT MANAGER

WORK EXPERIENCE

SOFTWARE ENGINEER

Payback GmbH | Aug 2019 - Jul 2021

- Implementation of new features, from conceptual phase to deployment in higher environments
- Continuous integration and delivery using Jenkins and Ansible
- Migration of a monolithic project towards micro service architecture
- Coordination of important data migration in production environments affecting over 30 mo. records with very reduced downtime possibilities (<1 hour)
- Coordination of releases to higher environments
- Stakeholder communication

Technologies: Java 8-11, Spring Boot, JEE, Spring, SQL, Ansible, Jenkins, Hibernate, Microservices, Git, SVN, JUnit, Maven, REST APIs, JIRA

SOFTWARE ENGINEER

enmacc GmbH | Oct 2017 - Jul 2019

- Implementation of new features in a Spring Boot monolith application
- Contributions towards architectural decisions for event driven communication
- Performance improvements (getting a majority of requests with a response time under 100ms) using caching and efficient data transmission (gzip)
- Frontend development for small features and fixes

Technologies: Java 8-11, Spring Boot, SQL, Hibernate, JUnit, REST APIs, Selenium, Angular, RxJS, NgRx, Typescript, Git, Maven, JIRA

ENTERPRISE 2.0/JAVA CONSULTANT

eProseed | Aug 2015 - Sep 2017

- Contributions to multiple client's projects
- Started the architecture planning towards moving to a micro service architecture for a big retail company in the United Kingdom
- Developed a working prototype for a digital click & collect system for a retailer in the United Kingdom
- Introduced new document digitalization features for big asset & wealth management providers in the European Union, enabling less manual work on policy documents reviews

Technologies: Java 6-8, Java EE, Oracle ADF, Oracle JET, Oracle Database, SQL, GIT, SVN, JIRA

SKILLS

PROFESSIONAL

Good communication

Creative

Organized

Focused

Multitasking

Good interpersonal skills

Responsible

Flexible

Fast learner

Team player

LANGUAGES

PORTUGUESE
MOTHER TONGUE

ENGLISH
FLUENT (C2)

GERMAN
WORKING PROFICIENCY (B2)

SPANISH
ELEMENTARY PROFICIENCY (A2)

INTERESTS

Fitness

Hiking

Travelling

Automation l DYI projects

Politics