Lorival Smolski Chapuis

Software Engineer | Tech Lead | Architect

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Summary

Hello, I'm Lorival. I have accumulated 19 years of diverse experience in software development, including four impactful years in Portugal, I am a seasoned tech lead and architect. My career path is characterized by a passion for design and coding, underscored by a steadfast commitment to code quality and security. I hold a Bachelor's degree in Computer Engineering along with technical certifications. Throughout my career, I have contributed my expertise to a variety of industries, including logistics, automotive, fintech, accounting, and technology, demonstrating my versatility and ability to adapt to different technological challenges. My enthusiasm for continual learning keeps me engaged with the latest best practices, new technologies, and innovative approaches to solving complex problems. To review nearly 30 recommendations, since 2014, from my colleagues, you can access https://www.linkedin.com/in/lorival/details/recommendations/?detailScreenTabIndex=0.

WORK EXPERIENCE

Tech Lead and Architect
Oct, 2021 - Present (+2 ys)

Kuehne+Nagel - Porto, Portugal

As a world leader in maritime transportation, Kuehne+Nagel is one of the world's leading logistics companies operating in the fields of sea freight, air freight, contract logistics, and land transportation.

- Around a year, I acted as both a team lead and tech lead for a team of 8 people, overseeing career development, deliveries, and providing technical support in solution design.
- During this period as a team lead, I supported the growth of this initial team into three teams. I created an onboarding plan to facilitate the rapid integration of new engineers, onboarding not only developers but also architects, QAs, and other team leads.
- After the three teams were fully staffed, I transitioned to the role of tech lead and architect for one of the teams. In this capacity, I conduct technical analyses, proofs of concept, provide technical support to the team by removing impediments, create documentation, and collaborate with the team on developing new features.
- I work with my team, but I also participate in an architecture board, where I collaborate with architects from Estonia, Spain, Poland, and Germany, aligning technical guidelines and providing solutions for the product.
- Main stack: Bitbucket, Gitlab, Java with Springboot, REST APIs, Async APIs, OracleDB, RabbitMQ, Kafka, Openshift, Grafana and Prometheus.

DevSecOps Engineer
Jun, 2020 - Sep, 2021 (1 year 3 mos)

Critical TechWorks (BMW) - Porto, Portugal and Munich, Germany

Critical TechWorks is a joint venture between BMW Group and Critical Software, with the objective of developing software for cars of the future.

- I worked in the offboard security team in Munich, responsible for supporting the other security teams in the unit. My team was mixed with 3 people from Porto and 6 people from Munich working together. I also served as the tech lead for the Porto team, mentoring and supporting them, removing impediments, and fostering career growth.
- I maintained a CI/CD platform using Gitlab, specifically for security projects. This platform keeps encrypted source codes, artifacts, containers, and backups together with two-step authentication.
- I worked on a lib responsible for abstracting communication with HSM (Cloud and NCipher) supporting key generation/importation and its operations like encrypt, decrypt, sign, and verify using keys.
- I also was responsible for defining the infrastructure, pipelines, development, deployment and monitoring.
- Main stack: Gitlab, Java with Quarkus, REST APIs, AWS, Terraform, Ansible, Docker, Kubernetes, OpenStack, Grafana and Prometheus.

Senior Software Engineer
Oct, 2019 - Jun, 2020 (10 mos)

Talkdesk - Porto, Portugal

Talkdesk is a leading USA-based provider of cloud-based contact center, unified communications, and artificial intelligence software. Talkdesk is a unicorn, with its headquarters in San Francisco and offices in the USA, UK, and Portugal.

- I was responsible for maintaining the API that powers the AppConnect marketplace, which allows third-party companies to integrate with the Talkdesk product. Additionally, I was responsible for maintaining and developing new enhancements for the developer portal related to the same tool.
- I started acting partially as a tech lead, creating new initiatives focusing on people, resulting in a matrix of knowledge relating to technical and business skills.
- I developed a simplified bootstrap to develop new services using Kotlin and Springboot and I started the migration to this new stack.
- Main stack: Github, Ruby, Heroku, AWS, MongoDB, Redis, GraphQL APIs.

Tech Lead and Solution Architect
Jun, 2017 - Jul, 2019 (2 yrs 2 mos)

ContaAzul - Joinville/SC, Brazil

The ContaAzul is the most comprehensive SaaS business management platform in the Brazilian market for small and medium-sized enterprises and the first to offer real-time accounting on this platform.

- As a tech leader, I managed the onboarding of new engineers, provided technical support to several engineers both inside and outside the squad, assisted the Product Owner in setting and prioritizing stories, aided the team in breaking down and estimating tasks, and introduced and modified some agile techniques to enhance the software development process at the company.
- As a tech leader, I developed the first feature using 100% microservices in the company. There were 4 microservices using Spring Boot, Hibernate, Lombok, JUnit, Mockito, AssertJ, AWS SQS, AWS S3, AWS RDS, Prometheus, Grafana, Docker, Kubernetes, and New Relic. The feature has been used by 5,000 companies while I worked in the company, demonstrating a service-oriented architecture and a focus on customer needs.

- After ContaAzul company bought the Wabbi company, I designed and developed integrations of the services from the two companies, which used different stacks like Golang, SpringBoot with Java and ASP.NET Core with C#. The Integrations were made using AWS SQS/SNS, REST API and also unifying services.
- As a solution architect, I supported 50 engineers in designing and building features. At the same time, I created tools to simplify day-to-day tasks and removed impediments from them.

Senior Full-Stack Developer Web/App (company's co-owner)
May, 2014 - Jun, 2017 (3 yrs 1 mos)

eSauce Marketing & Technology – Joinville/SC, Brazil

The eSauce is one of Brazil's largest digital marketing agencies, with roots in technology and millions of people impacted by their work. In addition to digital marketing and mobile applications, the company has a SaaS platform for the entire management process of operating a digital marketing agency.

- As co-owner, I was responsible for the technology area, mainly developing mobile applications and providing back-office support for our customers.
- I led the team of developers, discussed requirements with the customers, designed technical architecture, detailed the product for development, created stories and tasks, and supported the developers in day-to-day operations.
- I developed REST APIs using C#, ASP.NET Core, AutoMapper, Entity Framework, Code First, Xunit, AWS Elastic Beanstalk and PostgreSQL, delivering capable of rapidly scaling up and down.

PREVIOUS EXPERIENCES

- **Software Architect and Senior Developer** at Thomson Reuters - July 2008 - April 2014 - Joinville/SC, Brazil (5 yrs 10 mos)
- **Support Analyst and Web Developer** at Horizonte Tecnologia - Mar 2005 - Jun 2008 - Joinville/SC, Brazil (3 yrs 4 mos)

INDEPENDENT WORK EXPERIENCE CONCURRENT WITH EMPLOYMENT

- 2018 - **ASP.NET Technical Consultant** at OpenTech **-** Jun 2018 - Sept 2018 - Joinville/SC, Brazil
- 2018 - **Machine Learning Consultant** at GoFind - Mai 2018 - Nov 2018 - Joinville/SC, Brazil
- 2014/2015 - **ASP.NET Technical Consultant** at Modine Manufacturing - Oct 2014 - Sept 2015 - São Paulo/SP, Brazil
- 2012 - **Technical Instructor** at Geração Tec (Government project) - Jun 2012 - Oct 2012 - Joinville/SC, Brazil
- 2011 - **Software Engineer** at Sinapse da Inovação (Government project) - May 2011 - Dec 2011 - Joinville/SC, Brazil

DEGREES AND CERTIFICATIONS

- 2023 - **Certification** in Cybersecurity at ISC2
- 2022 - **Certification** in Kanban System Design at Kanban University
- 2021 - **Certification** in Team Kanban Practitioner at Kanban University
- 2018 - Deep Learning **Nanodegree** at UDACITY (online)
- 2017 - **Certification** in SAFe 4.0 Agilist at Adaptworks
- 2006/2011 - **BSc Computer Engineering Degree** with an emphasis in Software Engineering (5 years) at UNISOCIESC
- 2010 - **Certification in** Designing and Developing Web-based Application By Using the Microsoft .Net Framework
- 2009 - **Certification in** Microsoft .NET Framework 3.5, ASP.NET Application Development
- 2009 - **Certification in** Microsoft .NET Framework - Application Development Foundation
- 2006 - **Certification** in Mandriva Linux System Administration (Distro discontinued since 2015)
- 2003-2004 - Software development for Desktop and Web **Technical Degree** (2 years) at UNISOCIESC

LANGUAGES

- English - Professional working proficiency
- Portuguese - Native

SHORT PAPERS

- 2011 - Use of an artificial neural network to predict the volume of sludge generated in textile effluent stations
  - Published and presented in Congress of the Brazilian Computer Society

- 2010 - Development of a flood forecasting system in hydrographic basins by means of artificial neural networks
  - Published and presented in International Conference Intelligent Systems and Agents in Germany