

# Clerton Araujo

Senior Full Stack Software Engineer · Berlin, Germany

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## SUMMARY

Senior Full Stack Software Engineer with 10+ years of experience designing, building, and scaling mission-critical platforms across healthcare, fintech, and e-government. Currently at Doctolib (Berlin), leading integration with Germany's national telematic healthcare infrastructure (TI) for 90M+ patients. Holds a Master's in Computer Science with specialisation in AI and semi-supervised learning. Specialises in TypeScript/React, Ruby on Rails, Java/Spring, and AWS/Azure cloud infrastructure. Fluent in English; working proficiency in German (B1).

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## TECHNICAL SKILLS

**Frontend:** TypeScript · JavaScript · React · React Native · Redux · CSS · Design Systems  
**Backend:** Ruby on Rails · Java · Spring Boot · Node.js · .NET Core · Python · Elixir · Scala · OCaml · COBOL  
**Cloud & DevOps:** AWS · Azure · Docker · Kubernetes · CI/CD · Datadog · Sentry  
**Databases:** PostgreSQL · MongoDB · Microsoft SQL Server · Couchbase  
**Practices:** System Design · Microservices · GDPR · eHealth compliance (§75b SGB V) · TDD · Agile/Scrum

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## EXPERIENCE

### Doctolib

Oct 2021 → Present

#### *Senior Full Stack Software Engineer · Berlin*

- Architected GDPR and §75b SGB V-compliant security protocols for Germany's national telematic infrastructure (TI), serving 90M+ patients across 300,000+ healthcare providers.
- Decomposed legacy monolithic Rails application into independently-deployable microservices, reducing release risk and increasing deployment frequency.
- Led cross-functional technical scoping for 5+ product squads, translating healthcare regulatory requirements into actionable engineering roadmaps.
- Drove observability adoption (Datadog/Sentry), improving mean time-to-detect (MTTD) for production incidents.

stack → TypeScript · React · Ruby on Rails · PostgreSQL · Java · Spring · Docker · AWS · Datadog · Sentry

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### Issuu

Dec 2020 → Sep 2021

#### *Full Stack Developer · Berlin*

- Standardised the internal Design System, improving UI consistency and developer efficiency across multiple product teams.
- Integrated a headless CMS and optimised user engagement funnels in collaboration with marketing and product, driving measurable revenue growth.

- Built high-performance backend services using TypeScript, Elixir, and OCaml.

stack → TypeScript · React · Node.js · Python · Elixir · OCaml · PostgreSQL · Docker · AWS

## LQ Enterprise

Jul 2018 → Dec 2020

### Senior Software Engineer · Berlin

- Designed and launched an award-winning e-government platform for the German public sector, with a focus on security and accessibility.
- Engineered a multilingual platform (German, Arabic, Farsi, English), broadening reach to diverse user populations.
- Developed secure backend services with .NET Core and managed cloud deployments on Azure.

stack → TypeScript · React · .NET Core · PostgreSQL · Azure

## Softplan

May 2017 → Jun 2018

### Software Engineer · Florianópolis

- Developed a mobile traffic ticketing system used by the Brazilian Police and a public service portal for Florianópolis City Hall.
- Built an attorney scheduling system for the Brazilian Government using Java and Scala backend services.

stack → React · React Native · Java · Scala · Node.js · Spring · MS SQL · Couchbase · Docker

## Bradesco Bank

Nov 2016 → Apr 2017

### Lead Software Developer · Curitiba

- Launched Brazil's first online insurance marketplace and led development of a geo-tracking app for real-time insurance offers.

stack → Java · Spring · IBM WebSphere · MongoDB · Android · Swift

## HSBC

Mar 2013 → Oct 2016

### Senior Software Developer · Curitiba

- Maintained public web applications for HSBC Brazil handling 140M+ annual visits, ensuring high availability through performance optimisation and redundancy.
- Implemented a global online authentication strategy, securing online banking for millions of HSBC Brazil customers.
- Integrated Java/Spring services with legacy COBOL mainframe systems, enabling modernisation without service downtime.

stack → Java · Spring · IBM WebSphere · COBOL mainframe integration

## EDUCATION

### Master in Computer Science

2009 – 2011

Federal University of Pernambuco · Recife

*Specialisation: Artificial Intelligence — semi-supervised learning and data-intensive applications.*

### Bachelor in Computer Science

2004 – 2009

Federal University of Campina Grande · Campina Grande

## PUBLICATIONS

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### Semi-supervised Approach for Finding Cancer Sub-classes on Gene Expression Data

ICANN 2010 · Springer · doi:10.1007/978-3-642-15060-9\_3

## CERTIFICATIONS & LANGUAGES

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Certified Scrum Product Owner 2015

HSBC Team Awards 2015, 2016

### Languages

**English:** Fluent (professional)

**Portuguese:** Native

**German:** B1 — Deutsch-Test für Zuwanderer (2020)