

Bruno Arsene

technical lead

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With a 10-year track record across diverse industries, I focus on building scalable solutions and helping teams to deliver their best. Skilled in a wide array of technologies, I'm now seeking a challenging role to further apply and grow my technical expertise.

work experience

Technical Lead — Aurion, Brisbane

OCTOBER 2021 - MARCH 2023

Development of a payroll solution for Australian companies

- **Mentored and upskilled** team members
- **Defined and implemented software development best practices company-wide**
- **Collaborated closely with the product team** on requirements analysis, backlog prioritization and writing technical notes
- **Designed and implemented the core of the payroll service**
- **Designed a highly efficient DynamoDB database** and migrated away from RDS

Technical Lead — Service NSW, Sydney

AUGUST 2020 - OCTOBER 2021

Development of an online booking system for the government of NSW

- **Designed and implemented the architecture for a scalable Online Booking System platform**
- **Led the backend development**
- **Created a standardized library system** for organizational reuse

Senior Software Engineer — Collibra, Brussels

SEPTEMBER 2018 - MAY 2019

Development of a product to detect text data duplication in real-time so the clients understand which of their data is redundant

- **Built the whole project on my own**, including **authentication** (with Auth0 using JWT), the **database layer**, the **GraphQL API** (using Hasura, TypeScript and Python) and the **frontend** (with React)
- **Used GraphQL subscriptions** to stream data in real-time to the user interface
- **Implemented multitenancy and integrated the app with the machine learning API**

Architecture team

- **Defined company-wide standards and best practices**
- **Developed the components library**

Software Engineer — IgnitionOne, Diegem

JANUARY 2016 - SEPTEMBER 2018

Development of a Digital Marketing Suite allowing clients to create online forms targeting the visitors of their websites that have some level of interest (scoring) in the products they sell

- **Mentored** interns and new hires
- **Developed an internal framework and designed the core UI library**
- **Moved assets hosting to a CDN**

Developed an audience targeting tool for marketing campaigns, allowing clients to target specific audiences that were defined in Facebook, Google and other providers

- **Led the frontend part of this greenfield project**
- **Worked on the migration of the product to a microservices architecture**
- **Implemented end-to-end testing** with Cypress
- **Developed the integration with Facebook pixel and Google Tag Manager**

Software Engineer — Antidot, Brussels

JANUARY 2013 - JANUARY 2016

Development of a large (1M+ lines of code) mission-critical CRM in PHP for Orange Telecom to manage clients and their subscription

- **Improved the stability of the product with automated testing:** unit tests, integration tests and end-to-end tests with Selenium running on Jenkins
- **Automated the regression tests**
- **Migrated versioning system from SVN to Git**
- **Created a generic dynamic form engine for our custom forms**
- **Trained and supervised offshore teams**

skills

Javascript Typescript Python PHP Elixir
REST APIs GraphQL gRPC tRPC
Amazon Web Services DynamoDB Serverless
SQL Docker CI/CD Infrastructure as code

practices

TDD SOLID YAGNI DRY
Agile Project planning Unit testing
Design patterns Semantic versioning
Code reviews Pair programming

education

2010 - 2012 - ULB - Brussels
Computer science
2009 - ISJB - Brussels
High secondary
education certificate

soft skills

Leadership
Mentoring
Collaboration
Pragmatic
Autonomous

languages

French - native speaker
English - fluent
Romanian - fluent
Dutch - basic