

SÉRGIO ISIDORO

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I build software, and everything that requires: software architecture, risk and IT security management, and data engineering. In total I've helped two startups grow from early stage towards acquisitions by major industry players (Holvi by BBVA, Kaiku by Elekta). Besides technology, I'm passionate about company culture, diversity and representation topics.

EDUCATION

<i>BSc</i> Information Systems and Computer Engineering Instituto Superior Técnico - University of Lisbon,	2008 - 2013
<i>Athens</i> Course on Multimedia Indexing and Retrieval Télécom ParisTech, Paris France	Mar 2012
Incomplete <i>MSc</i> in Machine Learning and Data Mining Aalto School of Science, Aalto University	2013 - 2018 (dropout)

EXPERIENCE

Noticed (Aalto Center for Entrepreneurship funded venture) (1 year) <i>Technical co-founder</i>	Helsinki, FI Jan 2014 - Jan 2015
<ul style="list-style-type: none">· Built backend systems for mobile app and web application· Participated actively in business development activities	
Holvi (3 years) <i>Software Engineer (Operations)</i>	Helsinki, FI Jan 2015 - Mar 2016
<ul style="list-style-type: none">· Developed and maintained internal tools for management of financial activities (user management, account keeping, reporting)· Developed tools for fraud and AML monitoring	
<i>Risk Manager</i>	Mar 2016 - Jan 2018
<ul style="list-style-type: none">· Developed and implemented the process for the IT security management in accordance to ISO27000· Developed and implemented a Risk Management framework in accordance to ISO31000· Participated in various internal and external audits in the areas of IT security and Risk management.· Instructor of basic IT security management training	
<i>Business Analyst</i>	Jan 2018 - Apr 2018
<ul style="list-style-type: none">· Segmented customers with unsupervised clustering methods according to feature and usage patterns· Built financial projections based on those segments in order to optimize and mitigate the impact of pricing changes	
Kaiku Health (3 years) <i>Software Engineer</i>	Helsinki, FI Apr 2018 - Nov 2019
<ul style="list-style-type: none">· Development of integrations library for importing Hospital and Laboratory system data· Contributed to the implementation of a new version of a Risk management process and Risk registry· Instructor of basic IT security management training for the entire company and Jira administration	

Tech Lead - Clinical platform

Nov 2019 - Jan 2021

- Conducted 1on1s, development discussions, and technical hiring interviews
- Created and maintained engineering metrics platform for monitoring "flaky" tests, code review process and test coverage
- Delivered features and tools for healthcare professionals

Tech Lead - Data Engineering

Jan 2021 - Mar 2021

- Span up a new team withing the company for Data Engineering and Distributed Systems
- Conducted 1on1s, development discussions, and technical hiring interviews
- Designed architecture for a second generation EHR integration engine using HL7 FHIR

TECHNICAL STRENGTHS

Languages	Ruby (Ruby on rails), Python (Flask and Django), Javascript/Typescript
Protocols & APIs	XML, JSON, SOAP, REST
Databases	PostgreSQL, InfluxDb, MongoDB, ElasticSearch
Tools	Docker, Git, CI (Circle, Travis, Jenkins), Ansible, K8s, Vagrant
Product	Jira, Trello, Github and Gitlab

OTHER RELEVANT EXPERIENCE

Instituto Superior Tecnico (3 years)

Lisbon, PT

Information Systems and Computer Engineering degree representative

Sep 2009 - Oct 2012

- Represented the BSc degree students in academic matters
- Participated in the restructuring of teaching curriculum

School council member - students' representative

Dec 2010 - Sep 2012

- Represented, along with another colleague, the 10 000 students of Instituto Superior Técnico in matters concerning school strategic decisions, and mission of the institution.

AEIST - Instituto Superior Técnico Student Union (2 years)

Lisbon, PT

Education policy team member

Jun 2010 - June 2011

- Event organization, including sports competition, and union's political and lobbying meetings

Director of Education policy

Jun 2011 - June 2012

- Assistance to the president in all logistics concerning political events, representation and meetings
- Member of the organization committee for the national sports championships for higher education students

HOBBIES

Programming and Open source contributions
Aerial Acrobatics in *corde lisse* - Helsinki Circus
Sailing (RYA inshore skipper certified)
Analog Photography