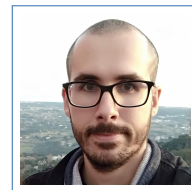# David Gago

Software Developer,
Msc in Computer Science

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in *david-gago*
ⓘ *dooping*

Summary

Fast-learning and problem-solving Software Engineer with 3 years of experience in Full-Stack development, DevOps, Mobile development and Analytics for various clients and projects.

Experience

May2019– Present	**Software Developer**, *Deimos Engenharia*, Lisbon. ○ Full Stack Developer (Angular, Java Spring Boot, Python); ○ DevOps Developer (Docker, Bamboo, Elasticsearch, Grafana);
Aug2015– Dec2015	**Software Developer**, *Nextway Group*, Lisbon. ○ Mobile Developer (iOS & Android); ○ Web Developer (AngularJS, HTML, CSS)
Mar2015– Jul2015	**Academic Internship**, *Nextway Group*, Lisbon. ○ Mobile Developer (iOS & Android); ○ Full Stack Developer (Entity Framework, ASP.NET, AngularJS)

Education

Sep2016– Mar2018	**Postgraduate in Computer Science**, *Faculdade de Ciências e Tecnologias, Universidade Nova de Lisboa*, Lisbon. Main Subjects: Security, Cloud Computing, Machine Learning, Mobile and Ubiquitous programming.
Mar2013– Jul2016	**Bachelor of Computer Science**, *Faculdade de Ciências e Tecnologias, Universidade Nova de Lisboa*, Lisbon, *GPA: 16*. Main Subjects: Distributed Systems, Algorithms and Data structures, Artificial Intelligence, Databases.

Volunteer work

26Nov2016	**FCT Coding Fest**, *Faculdade de Ciencias e Tecnologia*. Surveillance of the contest

Programming Languages

Proeficient	Java, Typescript, SQL
Intermediate	Scala, JavaScript, Python, HTML, Objective-C
Familiar with	C#, C, Assembly, Ocaml, Delphi, LaTeX

Skills

Technologies	Spring Boot, Angular, Docker, Elasticsearch, Akka Framework, Entity Framework, AndroidSDK, ReactJS, JavaEE, Java RMI, Arduino, REST, SOAP, Git
Security	Good knowledge about security threats and countermeasures, Symmetric cryptography, Asymmetric cryptography
Methodologies	Scrum

Languages

Portuguese	Native	
English	C2	*European language levels*
Spanish	B1	*European language levels*
Polish	A1	*European language levels*

Projects

Hidrografico+
- Web Application for Instituto Hidrográfico to showcase and commercialize geographic data;
- Created and developed frontend project in Angular;
- Created and fully developed backend using Java Spring Boot, PostgreSQL, Redis and the Netflix Stack (for microservice coordination);
- Developed integration with services: GeoNetwork, GeoServer, ncWMS and Redmine;
- Configured and integrated Gluu for authentication and authorization using Spring Security and OpenID;
- Created docker compose configuration files to easily deploy the project locally and in all other environments;
- Led the development of monitoring services for all parts of the system with ELK Stack;
- Led the development of the backoffice service for adding new content;

NextGEOSS Analytics
- Monitoring the performance and health of Pilot Application runs integrated with NextGEOSS;
- Technologies used: ELK Stack and Grafana;
- Created several data ingestion pipelines for Filebeat and Metricbeat data in Logstash;
- Developed new dashboards in Grafana for monitoring different parts of the system.

MarineEO - Phase 2
- Web Application for monitoring the sea and helping navigation in the north pole;
- Developed frontend in Angular;
- Developed backend in Python;
- Developed integration with Geoserver and Atlassian Jira.

Services4EO ESSTI
- Web Application for Ethiopian Space Science and Technology Institute to monitor land and water bodies;
- Developed frontend in Angular;
- Created and developed microservice to support frontend and backend, using Java Spring Boot and MongoDB;
- Created docker compose configuration files for deploying.

My Land (Personal)
- Android App about scheduling tasks for farmlands;
- Usability focus by using Mapbox and intuitive controls;
- High level of customization;
- APK available in GitHub page.

Interests

Reading Mostly fantasy, although I also like to read technical books about different programming languages and frameworks

Programming Even though it is also my job, I like to program in my free time to learn new languages and develop personal projects