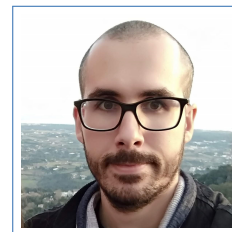# David Gago

Software Developer,
PGDip in Computer Science

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in *david-gago*
🌐 *dooping*

Summary

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

Experience

Oct2022– Now	**Software Developer**, *Trim*, Lisbon ○ Full Stack Developer (Scala, Play Framework, Angular, Typescript); ○ DevOps Developer (AWS Amplify, Heroku)
Aug2021– Apr2022	**Software Developer**, *Pipedrive*, Lisbon ○ Backend Developer (NodeJS, PHP, Kubernetes, Elasticsearch, Grafana);
May2019– Jul2021	**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– Mar2019	**Postgraduate in Computer Science**, *NOVA School of Science and Technology*, NOVA University Lisbon Main Subjects: Security, Distributed Systems Algorithms, Cloud Computing, Machine Learning, Mobile and Ubiquitous programming.
Mar2013– Jul2016	**Bachelor of Computer Science**, *NOVA School of Science and Technology*, NOVA University Lisbon, *GPA: 16* Main Subjects: Distributed Systems, Algorithms and Data structures, Artificial Intelligence, Databases.

Programming Languages

Proficient	Scala, Java, Typescript, SQL
Intermediate	Kotlin, JavaScript, Python, Objective-C
Familiar with	C#, C, Assembly, Ocaml, Delphi, PHP, LaTeX

Projects

Tailor
- Platform to manage orders, connecting brands and manufacturers to cooperate and produce garments with ease;
- Developed frontend in Angular;
- Developed backend in Scala using the Play framework;
- Made critical decisions regarding software architecture when creating the Frontend which helped keep the development speed high and the code maintainable;
- Led the planning and development of features such as "General Terms and Conditions" and "Price Breakdown";

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.

Pipedrive	○ CRM with Kanban-style pipelines;
	○ Technologies used: JavaScript, TypeScript, PHP, Elasticsearch, Prometheus;
	○ Helped improve personalized search, using A/B Testing for confirming improvements;
	○ Applied Horizontal Pod Autoscaling to Login microservice as a response to a DDoS Attack;
	○ Developed dashboards in Grafana to monitor different parts of the system.

Skills

Technologies	Play Framework, Spring Boot, Akka Framework, Angular, Docker, Android, Elasticsearch, NodeJS, Entity Framework, React, JavaEE, Java RMI, Arduino, REST, SOAP, Git, HTML
Security	Knowledge about security threats and countermeasures, Symmetric/Asymmetric cryptography, Partial encryption
Methodologies	Scrum, Kanban

Languages

Portuguese	Native	
English	C2	*European language levels*

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

Certifications

Lightbend	○ Lightbend Scala Language - Professional
	○ Lightbend Akka for Scala - Professional
	○ Lightbend Akka Cluster - Fundamentals
	○ Reactive Architecture(1): Introduction to Reactive Systems
	○ Reactive Architecture(2): Domain Driven Design
	○ Reactive Architecture(3): Reactive Microservices
Coursera	○ Effective Programming in Scala
Udemy	○ Advanced Scala and Functional Programming | Rock the JVM
	○ Akka Essentials with Scala | Rock the JVM
	○ Akka Persistence with Scala | Rock the JVM
	○ Akka Streams with Scala | Rock the JVM
	○ Akka HTTP with Scala | Rock the JVM
	○ Apache Spark 3 & Big Data Essentials in Scala | Rock the JVM
	○ The Ultimate Hands-On Hadoop - Tame your Big Data!
	○ Complete Elasticsearch Masterclass with Logstash and Kibana
	○ Atlassian Bamboo from Beginner to Advanced!