Leonardo Lanchas

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SUMMARY

I have taken part in a wide range of projects; mainly backend and data intensive applications. This has given me exposure and a good understanding of how business and technology cooperate and what challenges they face, especially regarding big data. At the same time, I have developed my communication skills by working directly with managers and customers, which means I am well prepared to work on high-profile, cross-department projects.

I have also co-founded 21Ninjas, an IT consulting startup acknowledged on several Spanish contests.

WORK EXPERIENCE

Software engineer **Cabify** *2020 - Now*

- Worked on the payments platform.
- Designed and built distributed systems for scaling and securing the payments platform and detected bad behaviors to improve the customer experience.
- Collaborated with my team in the adaptation of processes for the enforcement of the PSD2 standard.
- Gained knowledge: Ruby on Rails, Go, MySQL, CouchDB, Redis, grpc, Prometheus, Grafana, Kibana, Datadog, CI/CD.

Sabbatical year *2019 - 2020*

- I was able to take some time off work to focus on myself. It was a time that prepared me to take on new challenges.

Consultant / Software engineer **pmOne Group** *2015 - 2019*

- Streamlined highly scalable, reliable and performant pipelines to integrate large volumes of complex data, reduce costs and improve information flows.
- Composed new testing workflows by which DB processing and QA time were significantly reduced.
- Collaborated with a team of 5 developers, making an OLAP prototype engine, for internal use, which led to faster presales proposals drafts. Assisted, also, in the design of its data model to provide a centralized data warehouse access.
- Coached and mentored new colleagues across multiple projects.
- Gained knowledge: Data analysis, ETL, SQL Server, SSIS, Team Foundation Server, JIRA, Java, R, Tagetik, HTML5, CSS3, JS, German.

Software engineer **21 Ninjas** *2012 – 2015*

- Architected REST API that allowed communication and content synchronization between multiple devices with just 5 lines of code.
- Worked on external systems integration.
- Recreated a client learning platform by leveraging the MEAN stack, speeding up the processing time for each request by no less than 10%. Also, delivered its payment gateway using PayPal.
- Occasionally helped the DevOps team with AWS.
- Gained knowledge: HTML5, CSS3, JavaScript, jQuery, Bootstrap, NodeJS, Express, AngularJS, Python, Django, PHP, MySQL, MongoDB and Postgres, Git.

EDUCATION

B.S. Computer Science engineering **Universidad de Las Palmas de Gran Canaria** *2006 – 2012*

- Coursework: algebra, calculus, algorithms, data structures, OOP, unit testing, databases, operating systems, software engineering, AI, design patterns, agile methodologies, neural networks, machine learning, probability & statistics and networking.

PROJECTS

- **Personal Website –** http://leolanchas.com (for additional information and projects)
- **Ismuser API -** Real-time services (video, images, keynotes) embeddable anywhere. *JS, NodeJS, Python, Django*
- **Http-digest for PassportJS -** Implemented RFC 2617 in Javascript with NodeJS to protect API endpoints in each request. *JS*
- **Payment module for Prestashop** - It recalculated costs and taxes for the Canary Islands. *PHP, MySQL, HTML5, JS*
- **Pacman for 2 players** - Pacman adaptation to allow 2 people play and chat while they have fun. *JAVA, Open JMS*
- **Parallelization of a correlation algorithm with CUDA**. Parallel optical flow estimation. *C++, Qt, CUDA*
- **DGC App** - Desktop application using Qt (4.8) that allows to create 3D objects and transform them. *C++*
- **POP3 Bash client** - Raw prototype of a POP3 client that manages e-mail through the UNIX shell. *C, sockets*

- **Mini Unix Shell** - Command-line interpreter that provides an interface for Unix-like operating systems

SKILLS

- HTML5, CSS3, JavaScript, jQuery, Bootstrap.
- Ruby, Go, Python, Java, C/C++, PHP.
- MySQL, Microsoft SQL Server, MongoDB, PostgreSQL.
- NodeJS, ExpressJS, ReactJS, Redux, Django.
- Tagetik, ETL, Data analysis.
- Visual Studio, Eclipse, UML.
- Git, JIRA, Docker, Kubernetes, Apache.

LANGUAGES

- **Spanish** – Native Speaker
- **English** – Excellent command / highly proficient spoken and written
- **German** – Good command / good working knowledge