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WORK EXPERIENCE

| **Principal Full Stack Engineer** | **CoachHub** | **Nov 2024 - Present** |

- Took leadership of the Senior Full Stack team, leading a team of 23 engineers and coordinating sprints and goals with my Project Manager (**Jira, Slack, Google Meet**)
- Reviewed the AWS CDK implementation reducing the cost by 30% while still meeting the expected system requirements (**CloudWatch, AWS lambdas, API Gateway, DynamoDB**)
- Lead the Microsoft Team chatbot project and a custom BFF, implementing cache systems and reducing tech debt resulting in a reduction on errors of 20% (as measured by AWS CloudWatch) (**CDK, node.js**)
- Implemented a notification system integrated with Slack for any exception that happens in any of our stages, with information about the problem, reducing the bug fixing time by hours (**Slack, node.js**)

| **Senior Full Stack Engineer** | **CoachHub** | **May 2024 - Nov 2024** |

- Designed and implemented scalable systems using AWS lambdas and DynamoDB, integrated in Microsoft Teams as a conversational chatbot (**React, AWS lambdas, node.js**)
- Implemented the microfrontend and a persistent state management for a conversational roleplaying AI chatbot (**React, AWS lambdas, node.js, xstate**)
- Improved current distributed systems by reducing tech debt and reducing time to answer from 15 seconds to 4 seconds (**CDK, AWS lambdas, API Gateway**)
- Wrote critical documentation that was missing from semi abandoned legacy products (**Confluence**)

| **Senior DevOps Engineer** | **Beyond You** | **Mar 2023 - May 2024** |

- Sole developer of the company's custom website (**Django, React, Bootstrap, PostgreSQL**)
- Sysadmin of AWS and IBM Cloud (**AWS, Python, IBM, ISO 27001**)
- Automated production reducing the time from 10 days to 22 hours (**Django, Celery, Linux**)

| **Senior Full Stack Engineer** | **BigML** | **Dec 2021 - Mar 2023** |

- Designed, trained and deployed multiple ML solutions (**Lisp, Django, OpenCV, PHP**)
- Took charge of legacy projects reducing query time from 30 to 1.5 s (**Django, bash, PHP, docker**)
- Designed and implemented a ranking system for Accushoot (**Django, Vue, GIT**)

| **Telecommunications researcher** | **IMDEA Networks** | **Sep 2016 - Dec 2021** |

- Reverse-engineered firmware while working closely with Huawei stakeholders to bring academic achievements to industry (**Ghidra, Python, ARC assembly, C, Linux Kernel**)

LANGUAGES AND TECHNOLOGIES

- Python, TypeScript, node.js, express.js, React, PostgreSQL, Java, C#, and C++.
- AWS, node.js, express.js, Linux, Docker, OpenAI, CDK, CI/CD (Gitlab, GitHub), Jira, and Grafana.
- English (fluent, C1); Spanish, Catalan (native)

EDUCATION

- PhD. and M.Sc. in Telematics Engineering (Sep. 2016 - Dec. 2021)
- M.Sc. in Intelligent Systems (Sep. 2015 - Nov. 2016)
- B.S. in Computer Engineering (Sep. 2009 - Nov. 2015)
- B.S. in Computational Mathematics (Sep. 2009 - Nov. 2014)