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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 4 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)