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Work experience

DevOps Engineer – Scalian· 05*/2022 – now*

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Full Stack Engineer – Experis · 10*/2021 – 05/2022*

- Full Stack web applications development with Vue.js, Vuetify.js, Nuxt.js, Express.js, Node.js, Nginx, PostgreSQL.
- Scrum methodology, TDD approach using Mocha.js and Chai.js.
- DevOps: CI/CD pipelines implementation and management with GitLab y Docker.
- Microsoft Azure (AZ-900), Azure DevOps, Azure Service Bus, Apache Kafka, SOA.
- All communications and interactions in English.

Researcher, developer – ESALab · *02/2021 – 08/2021*

- Back end APIs development using Node.js, PM2, Socket.io, MQTT and Heroku for a real-time application.
- Full stack web development with responsive design, using the MEVN stack for a real-time web application. The CTO loved how it came out.
- Implementation of an open specification serial protocol in Python, designing a framework around it to facilitate the interaction with an RFID tag reader via WebSockets.
- ROS development in C++ for Arduino Nano and ESP32 boards. It involved front end development with HTML5, CSS3 and JavaScript, to create a webpage that allows the user to manage the robot in real-time.
- GNU/Linux systems administration.

Curricular internship: Software developer – ESALab · *07/2020 – 10/2020*

- Adaptation of a tool to detect and notify the compliance with social distancing rules in pedestrian streets to be deployed on a Jetson TX2. Used TensorFlow in Python3.
- Web application pentesting: Found and fixed several SQL injection and XSS vulnerabilities on LAMP servers.
- Front end development using HTML5, CSS3 and JavaScript to create a webpage to manage barcodes.
- Hosted an Ethical Hacking: Real-life pentesting with HackTheBox, live on Twitch.

Education

University of Salamanca (USAL) · *09/2021 – now*

- Computer Engineering Master's Degree. SOA, MDA, IT systems architecture and design, HPC, Deep learning, advanced data visualization.

University of Salamanca (USAL) · *09/2017 – 07/2021*

- Computer Engineering Degree. Average grade: 7.54/10 (3.016/4 GPA). End-of-degree project grade: 9/10. Technologies used and learned: C, C++, Python, CI/CD, Ansible, Docker, Java, Junit, Tomcat, Bash, Git, GitHub, Kanban, JavaScript, Node.js, Express.js, Vue.js, SQL, MongoDB, Postman, HTML5, CSS3, Arduino, TCP/IP, DNS, VLAN, WLAN.

Projects, activities, and awards

- TCUE Market-Driven prototypes contest 2021 award and scholarship program.
- Javiervidrua.github.io: A personal webpage made with Bootstrap and hosted on GitHub pages. Contains a blog made with Jekyll, to which I post articles about the things I learn (sysadmin, DevOps…).
- Netdrop: Airdrop like tool made in Python using P2P technology. Fast and secure. Source code in my GitHub.

Languages

- Spanish: Native
- English: Proficient (B2, 2015)