## A person smiling for a picture Description automatically generatedContact Information

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## Professional Summary

Highly skilled and dedicated Cloud Backend Engineer with over two years of experience in designing, developing, and maintaining cloud-based solutions. Proficient in backend development, database management, and cloud technologies, with a strong focus on delivering high-performance, scalable, and reliable systems. Adept at working in agile environments and collaborating with cross-functional teams to achieve project goals. Seeking to leverage my expertise in cloud computing and backend development to contribute to innovative projects in a dynamic organization.

## Key Skills

* Cloud Computing: Kubernetes, Docker, Helm, Spinnaker
* Backend Development: Python, Fast API, SQL Alchemy, Cython
* Database Management: PostgreSQL, DBeaver, SQL
* DevOps Practices: Jenkins, GitLab CI/CD, Infrastructure as Code
* Web Development: RESTful APIs, .NET Framework, Java
* Automation: Linux Shell Scripting, Robot Framework, JFrog Artifactory
* Configuration Management: YANG Model, JSON
* Version Control: Git, GitLab
* Agile Methodologies: Scrum, Kanban
* Problem Solving and Debugging: Strong analytical and troubleshooting skills.
* Communication and Collaboration: Excellent verbal and written communication, teamwork, and leadership skills

## Professional Experience

**Cloud Backend Engineer**

**Ericsson, Malaga - Spain**

April 2022 – June 2024

* Developed and maintained multiple microservices, including those with ML/AI code in Python, handling extensive data.
* Implemented a FAST API in Python, optimizing communication with PostgreSQL using SQL Alchemy and S3.
* Developed endpoints for frontend-backend communication, cythonizing code for performance enhancement.
* Took over responsibilities of the senior backend software developer, managing key backend systems and ensuring continuity and performance.
* Managed namespaces in the cloud environment, overseeing the deployment of multiple microservices with Kubernetes and Docker, utilizing Helm.
* Participated in the exploration and development of a solution using YANG models for network configurations.
* Worked on the 'Issue Detection and Classification' (IDC) project, working ML algorithms to process raw RAN telecom data.
* Utilized WSL (Ubuntu) and Vscode for development, employing Jenkins for CI/CD pipelines and Robot Framework for testing.
* Contributed to a project involving Java and .NET frameworks, maintaining backend logic consistency.

**Achievements:**

* Automated deployment processes, including FQDN updates and PostgreSQL database migrations.
* Improved code quality by implementing robust logging mechanisms and efficient database querying.
* Facilitated TDD practices and enhanced code structure using proper design patterns reaching for efficiency and simplicity.
* Successfully adapted to architecture changes, ensuring seamless communication between microservices.
* Recognized for facilitating deployments and maintaining microservices and received awards for contributions.

**Team Collaboration:**

* Collaborated with global teams from Hungary, India, and China, demonstrating strong communication, empathy, and adaptability.
* Mentored interns and new backend engineers, providing guidance on coding practices, design patterns, and agile methodologies.
* Created comprehensive documentation and automation scripts to support team members in managing cloud-based solutions.

**Co-Founder and Backend Developer**

**StreamingConnect - Spain**

2013 – 2022

**Responsibilities:**

* Developed a Streaming API for real time ad insertion in FAST technologies.
* Led different projects (shown below).
* Deployed servers and necessary software for various projects, ensuring high availability and performance.
* Developed streaming solutions.
* Implemented cloud playout solutions and real-time monitoring of signals.
* Developed ontological video search functionalities.
* Managed IPTV-OTT service at first and second levels.
* Implemented systems for virtual education, enhancing remote learning capabilities.

**Collaboration with other companies:**

* Collaborated with American companies such as GetPublica and Wavefront tv to bring FAST solutions to different CTVs and operators.
* Collaboration with TIGO operator to test different FASTs solutions.

***Streaming Server Support***

***Telesur, Caracas***

* Developed Ffmpeg scripts for streaming server support.

***Implementation of Audiovisual Telecommunications Platforms***

***RASDTV, Western Sahara***

* Implemented audiovisual telecommunications platforms.

***Development and Implementation of IPTV Contribution Networks***

***Grupo GCM, Spain***

* Developed ontological search for videos.
* Software development for real-time monitoring of signals with Ffmpeg and Python.
* Implemented cloud playout.

***Responsible for First and Second Level IPTV-OTT Service***

***VPITV, Florida***

* Managed IPTV-OTT service at first and second levels.

***Responsible for Implementing Systems for Virtual Education for Hispasat***

***DigisatMedia, Madrid***

* Implemented systems for virtual education for Hispasat.

***Low-High Frequency Support Technician***

***Marina Televisión 2000 s.l, Málaga***

* Provided technical support for low-high frequency systems.

***System and WebTV Webmaster***

***Canal Sur, Malaga, and Sevilla***

* Part of the BMS system development team for Andalucía Turismo, Cocina, Flamenco, and La Banda channels.

***Implementation of Collaborative Videoconferencing Systems***

***Conmebol, Asuncion***

* Implemented collaborative videoconferencing systems.

## Education

**Bachelor of Health Engineering**

Universidad de Málaga, Málaga

**Ericsson certificates**

[**Link to certificates**](https://github.com/jxgc-coding/Certificates)

## Languages

* English: Fluent
* Spanish: Native
* Japanese: Basic