

## Contact 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

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- 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

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### 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**

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### **Bachelor of Health Engineering**

Universidad de Málaga, Málaga

### **Ericsson certificates**

[Link to certificates](#)

## Languages

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- English: Fluent
- Spanish: Native
- Japanese: Basic