

CAREER PROFILE

Multidisciplinary developer with +9 years of experience as a Freelance Full Stack Developer building solutions for big size companies like Securitas Direct and Telefonica. Skilled in designing and testing multiple applications including database design and deployment. Also lead a development team while transforming company procedures to adopt CI/CD and Automated Testing. Before freelance I did some stuff as an employee. You can check my linkedin profile for more details if you are interested in that part.



Sergio Martín

Full Stack Developer

EXPERIENCES

Backend Developer

2019 - Present

Securitas Direct, Madrid

- Senior Backend Developer in IOT-M2M team working on the reception layer for security devices.
- Build microservices using Springboot+java and standalone applications (Java and QT/C++) for receiving signals and multimedia from devices using different protocols (UDP+STUN, TCP/IP, XMPP, SMS, HTTPS REST)
- Deployment with k8s using helm and Jenkins pipelines.
- Working in a remote team using Scrum methodology (Jira, Confluence and Bitbucket)
- Collaborate with testers in design and implement Automation Test strategy.
- Performance testing using Jmeter and custom scripts (bash, ruby, python...)

✉ sms@outofboxinsideworld.com
(mailto:sms@outofboxinsideworld.com)

🌐 www.outofboxinsideworld.com
(http://www.outofboxinsideworld.com)

🌐 [sergiomartinsanchez](https://linkedin.com/in/sergiomartinsanchez)
(https://linkedin.com/in/sergiomartinsanchez)

👤 [obiw](http://github.com/obiw) (http://github.com/obiw)

📄 Resume PDF
(http://www.africau.edu/images/default/sample)

Lead Developer

2016 - 2020

Aviva Voice System and Services S.L., Madrid

- Lead Developer in charge of transforming company development procedures.
- Define and implement procedures for CI/CD with Jenkins.
- Move from a “manual-testing” environment to a “automated-testing” environment focusing on regression test to improve quality of code.
- Collaborate with support and operations team to implement end-to-end procedures for validating and deployment in production environment.
- Improve Development lifecycle defining new procedures and tools.
- Working with the business units to define and improve the procedure for taking requirements and speed up delivery times and quality.

EDUCATION

BSc in Computer Science

University Politécnica of Madrid
2000 - 2004

Certificate of Higher Education in Development of software

Joyfe School of Madrid
1998 - 2000

LANGUAGES

English (Professional)

Spanish (Native)

Full Stack Developer

Securitas Direct, Madrid

- Working as a Freelance with B2B contract for different projects related to develop components for reception layer.
- Building an SMPP connector for integrate SMS channel with a wide range of network operators. Allow adding new operators using and standard protocol just with configuration changes instead of implement operator's SMS proprietary protocol.
- Maintain a QT/C++ component and improve performance. Fixed a core bug related with multithreading and move from database integration to a Oracle BUS JMS integration. Allow 150% improvement in performance.
- Migrate old legacy code in QT/C++ to java.
- Implement an XMPP connector for integrate XMPP channel. Integrate with Openfire and Oracle OCIM. Implement jgroups to allow clustering in a multisite deployment.
- Develop components to receive high volumen of data from security panels and cameras via UDP/TCP protocols and SQS queues.

Full Stack Developer

2012 - 2016

Aviva Voice System and Services S.L., Madrid

- Developing and deployment components for SMS and EMAIL integration.
- Building application for provide value to SMS and Email allowing customers to send short links that redirect to a website portal.
- Implement component for generate different websites customized for customer.
- PDF generation and certification.
- Integration with multiple AWS services: SQS, S3, Data Sync, SES, Polly and SNS.
- High performance components for send SMS and email allowing routing traffic for multiple providers.

Full Stack Developer

2012 - Present

Telefónica, Madrid

- Mantain and evolve a webapp for Marketing SMS communications. Built in Java, Resin and Oracle.
- Building and deploying an SMPP connector that loads SMS from Oracle Database and send to Telefónica SMS platform.
- Implement APIs for B2B integration.
- Support and maintain the application and the servers running Linux.

PROJECTS

Web-PKI (<https://github.com/obiw/web-pki.git>) - As BSc final project I built a software that allows you to deploy your own PKI service. Offers a web interface for enroll, renew, download and revoke certificates for personal use or for TLS

SKILLS & PROFICIENCY

Java



QT/C++



HTML5 & CSS



Ruby



Spring boot



Microservices



Database Design



CI/CD



Team lead



Scrum



Git/SVN



Linux



PKIs and digital signature



Network protocols and tools



AWS Integration

