Ignacio Suay Mas

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SUMMARY

Senior software engineer with 9 years of industry experience in building end-to-end high-performance web applications and microservices with Java 8, Spring, Hibernate, AngularJS and many other software technologies.

Currently, I am leading a team of Java developers to implement a high-performance and robust microservice architecture with Spring Boot, AWS, ELK stack and Docker. This project aims to build a large event-driven enterprise application which would use high-availability and intermittent scalability demands to meet peak loads in order to process millions of train tickets per day.

WORK EXPERIENCE

KCOM   01/2017 – Present
Senior Software Engineer   London, UK
- Designing and building high-performance Microservices with Java 8, Redis, SQS, and Spring (Boot, Data, Web, Cloud and Security).
- Developing high scalable systems with AWS ELB, ECS and Service Auto Scaling.
- Creating and documenting RESTful APIs using Spring and Swagger.
- Applying Agile software engineering practices and tools: XP practices, TDD, BDD (Spock), CI/CD etc.
- Continuous integration and deployment to AWS using Maven, Jenkins and Docker.
- Mentoring junior software developers

University of Oxford – WorldWide Antimalarial Resistance Network   03/2014 – Present
Senior Software Engineer   Oxford, UK
- Developing web applications, end to end, with Java 8, Hibernate, Elasticsearch and Spring (Boot, Data, MVC and Security).
- Refactoring a Monolith into Microservices.
- Implementing front-end user interfaces using GWT, JavaScript, AngularJS, Compass and Bootstrap.
- Designing and implementing Open source Framework for data visualization
- Helping the team achieve the goals as Scrum master.
- Supervising junior software developers.

Allocate Software – Realtime Health   10/2012 – 03/2014
Integration Software Engineer   Oxford, UK
- Design, develop, test, implement, maintain, support and code enhancements to HL7 interfaces.
- Healthcare software development using Java, Spring, Hibernate and Flex.
- Integration Interfaces with Apache Camel, ActiveMQ and CXF Web Services.
- Technical documentation for all phases of integration: analysis, design, development, integration testing and support

Brain Research Imaging Centre – University Of Edinburgh   03/2012 – 10/2012
Data Analyst   Edinburgh UK
- Lineal Algebra in computational biomedical data.
- Outliers detection in multivariate data.
- Principal Components Analysis (PCA).

Institute of Robotics and Information Technology   10/2007 - 09/2010
Software Engineer   Valencia, Spain
- Web application reporter in traffic mortality accidents using Java, Flex, Spring and Hibernate.
- Statistical Analysis of traffic accidents in Spain using R.
- Database quality web application tool.

Engineers Without Borders   10/2006 – 10/2007
Volunteer Engineer
Valencia, Spain

SOFTWARE SKILLS

Programming Languages: Databases: Environment:

- Java   - MySQL   - Agile Software development
- JavaScript   - MongoDB   - Microservices
- Kotlin   - Oracle   - Test-driven development
- Groovy   - H2   - Behavior driven development
- SQL   - Jenkins CI
                                          Back-End Technologies:
Front-End Technologies: - Tomcat/ Jetty
                                          - Spring (Boot, JPA, Security, MVC, Cloud)
- AngularJS   - Maven   - Git
- Google Web Toolkit   - Hibernate   - Docker
- Bootstrap   - Elasticsearch   - Amazon Web Services
- Grunt, Gulp and Bower   - Web services (SOAP and REST)   - Swagger
- HTML5   - Apache Camel   - Linux/Mac Os
- CSS and Compass   - Spock, JUnit, Mockito and Cucumber   - JMeter
- Karma and Jasmine   - Message Queuing service (SQS)   - Extreme programming

PROJECTS

Personal Blog: Blog with tutorials, code samples and thoughts about software development.

Most popular posts: How to use Hibernate Envers to audit data, Kotlin Vs Java, How to implement asynchronous communication between microservices using Spring Cloud Stream, How to avoid Hibernate Lazy Initialization Exception, How to debug AngularJS with Intellij, How to connect to MongoDB 3.0 using Spring Boot and GWT Review.

Maps Surveyor Framework: Open Source Framework for visualising data to support statistical reporting, public health surveillance, and health research.

CERTIFICATIONS

Oracle   03/2016
1Z0-898 Java Persistence API Developer Certified Expert

MongoDB   03/2015
M101J: MongoDB for Java Developers

Oracle   07/2012
1Z0-047 Oracle Database SQL expert Certification

EDUCATIONAL HISTORY

Polytechnic University of Valencia and University of Valencia   09/2010 - 09/2012
Biomedical Engineering, Master Degree   **(First Class Honours)**

University of Valencia   09/2003 - 07/2009
Computer Engineering, Bachelor's Degree   **(First Class Honours)**

University of Valencia   09/2003 - 07/2009
Telecommunications Engineer Telematics, Bachelor's Degree   **(First Class Honours)**