

# Raul Garcia

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## Profile

Highly skilled engineer with extensive involvement in Agile and test-driven development methodologies. Proven success in designing/developing enterprise solutions, ensuring code quality, delivery, automation, support peers/junior developers. Over 17 years of experience in large-scale and complex projects, including various systems and software technologies.

*System Design & Architecture / Software Design & Development / Project Governance & Control / Testing Process & Procedures / Technical Troubleshooting / Quality Assurance & Compliance / Automation*

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## TECHNICAL PROFICIENCIES

- Java (16+ years)
  - Java TDD/BDD (10+ years). Selenium, RESTEasy, REST Assured, Pact (Contract testing), Mockserver/Wiremock, Mockito, JUnit.
  - Agile, XP, Scrum (10+ years)
  - OO Design (17+ years), Design Patterns
  - Spring (11+ years). Spring Boot, Spring MVC, Webflux (Reactive Streams)
  - RESTful Microservices (10+ years). Dropwizard (Jersey), Spring Boot.
  - Hibernate JPA, JDBI, JDBC. DBs: Oracle, DynamoDB, DB2, MySql, PostgreSQL, Mongo, Cassandra.
  - JMS. ActiveMQ, RabbitMQ
  - Gradle, Maven
  - Web Applications (16+ years). Java, Javascript, CSS
  - Javascript (15+ years). NuxtJS (Vue), AngularJS, Angular, NodeJS (Express)
  - Javascript TDD (10+ years). Jest, Mocha, Jasmine, Sinon, Nightwatch, Protactor, Selenium, Karma.
  - AWS Services - IaC (7+ years)
  - Terraform (3+ years)
  - AWS CDK (2 years)
  - Heroku Terraform (3+ years)
  - Infrastructure (IaC) testing (3+ years). Kitchen terraform, Inspec.
  - Docker (4+ years), Kubernetes
  - Git (9+ years)
  - Ruby, Python, PHP7 (Laravel), C, C++
  - Tomcat, Jetty, Netty, JBoss, Nginx
  - Jenkins, Sonar, Codeship, Codefresh, Teamcity, Bamboo
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## KEY ACHIEVEMENTS

- **FIS 2019-2020:** Assured project PCI compliance standards within tight deadlines and designed a CI/CD pipeline including code builds, testing automation, pen testing, code analysis and deployments.
- **GDS 2018:** Introduced contract testing during the development lifecycle using Pact. It reduced substantially the feedback loop process allowing the teams to iterate much faster.
- **Sky 2016:** Provided an alternative for a higher performance framework to develop microservices by initiating the Ratpack adoption for the project across teams as a proof of concept.
- **Visa 2014:** Formulated and delivered contract testing strategy across microservices.
- **Aimia 2013:** Solely developed a system to process, optimise and cache images across all webs and applications.

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## PROFESSIONAL EXPERIENCE

### **November 2021 - Present (contract)**

#### **Software Consultant at Sky**

I rejoined the same project I previously worked on to support Sky Online Video Platform exploding global growth, providing a bespoke platform to support many media streaming services for Comcast Corporation.

- Continuous Deployment, TDD, Kubernetes over AWS EKS, Spring Boot, Java 17.

### **Dec 2020 - November 2021 (contract)**

#### **Principle Software Engineer at Sportradar**

As Tribe Technical Owner support role, I reviewed the current organisation status, designed and implemented a strategy to bring and foster best engineering practices in teams for the Sportbook and Gaming platform, currently serving millions of users across the globe. Design a new hiring plan for engineering, coding workshops and engineering bootcamps—hands-on pair programming with team members and mob sessions.

- TDD, Clean Code, Design Principles, KPIs for Teams, CI/CD strategies implementation with GitLab, Agile and other Technology Governance initiatives. Hands-on Java 11 and React services.

### **May 2018 - Dec 2020 (contract)**

#### **Principle Software Engineer at FIS**

Ensure seamless execution of the software development process by developing, implementing and ensuring strict compliance with technical standards. Revamp the existing core legacy project operations and increase test coverage by more than 30% by identifying and promptly resolving issues. Eliminate manual processing by leading the infrastructure deployments, configuration management, automation, thus increasing efficiency and reducing the number of tickets raised by clients by more than 95%. Strict align compliance with PCI requirements (security coding standards) and maintain organisational security.

- Spring, Java, REST, Angular, AWS Terraform, Docker, Agile, TDD

### **Feb 2016 - May 2018 (contract)**

#### **Senior Software Engineer at GDS**

Developer in Gov.UK Pay, a payments solutions provider for government organisations. Architected and designed with scalability, reliability, and resiliency in mind. NodeJS (Express) frontend and Java (Dropwizard) backend microservices. Lead the technical design of onboarding journeys for government bodies and user management and co-developed the core solution to process transactions.

- REST microservices, Java, Dropwizard, NodeJS (Express), Docker, Pact, Agile, TDD

### **Sep 2015 - Feb 2016 (contract)**

#### **Senior Java Developer at Sky**

Oversaw clients streaming entitlements by designing and implementing a new platform using RESTful APIs with Ratpack and Java8. Leveraged behaviour-driven development using Cucumber, used Cassandra database to facilitate the storing and managing high-velocity structured data across multiple commodity servers, achieved higher levels of resiliency with Hystrix.

- REST Microservices, Dropwizard, Spring Boot, Ratpack, Java, Hystrix, Cassandra, Agile, TDD

### **Dec 20113 – Jul 2015 (contract)**

#### **Senior Java Developer at Visa**

Project re-engineering from an untested monolithic architecture to an automated deployed and tested microservices architecture: strategic design, direction and simplification of the development process.

- Spring, Java, Angular, microservices, Dropwizard, Agile, TDD

**Aug 2012 – Dec 2013 (contract)**

**Senior Java Developer at Aimia**

Developed a highly configurable and flexible, thus complex, product to effectively administer multiple business scenarios in the customers' loyalty management ecosystem. Ensured alignment with contract requirements by testing automation. Created RESTful APIs (HATEOAS) for web-based applications and added modularising capabilities with a "plug-in" type behaviour to allow for bespoke customer extensions.

- REST Microservices, Dropwizard, Spring MVC, Agile, TDD

**Jul 2011 – Apr 2012 (contract)**

**Senior Java Developer at BT**

Member of a selected small group of engineers across the UK to design and develop a web-based order management system, core business in BT Global Services. Based on existing and overly complicated legacy code, it required effective coordination with a team of software architects and product managers. Agile software development (Pair Programming), including code reviews, TDD, refactoring to patterns, and object-oriented design.

- REST APIs, Java, Agile, TDD

*Additional experience as **Senior Java Developer** (10/2007 – 7/2010) at Santander Bank & Indra, **Systems Engineer & Developer** (3/2003 – 8/2007) at Bull and a diverse range of side projects.*

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**EDUCATION & TRAINING**

**Master Microsoft Certified Systems Engineer**, Security, Eurocampus

**Java Programming**, Sun Microsystems

**B.Sc. in Computer Science**, University of Las Palmas de Gran Canaria

***Languages:** Spanish (Native) ~ English (Fluent)*