

José Manuel REYES

5 Rue Charles Fourier, Evry 91000, France

Phone: +33 7 68 48 65 86

Email: josereyesch@gmail.com

URL: <https://josemr.com>

Born: December 23, 1984 - Antigua Guatemala, Guatemala

Education

- 2010 MSc in Computer Networks and Information Security (Cum Laude, GPA: 86%), Galileo University, Guatemala
- 2007 BAC in Systems, Informatics and Computer Science Engineering (GPA: 84%), Galileo University, Guatemala

Languages

Spanish Native Language
English Professional Proficiency
French Basic knowledge

Work Experience

INDUSTRIAL EXPERIENCE

- 2018- *Research And Development Engineer, RS2M Department @ TELECOM SudParis*, Evry, France
Currently conducting research on security threats targeting Software Defined Networking (SDN) architectures.
- 2016–2018 *Senior Software Engineer, Smartmatic*, Panama City, Panama
- Improved processing performance of an image recognition application, tuning DB queries, indices and memory management in both application containers and database, being able to process and serve 2k images/m.
 - Designed and developed features for the US Election Management System which prepares the electoral data and configuration files for voting devices, following the FIPS (Federal Information Processing Standards) standards for key generation, storage, distribution and digital signatures.
- 2012–2016 *Software Engineer, Smartmatic*, Panama City, Panama
- Developed a votes consolidation and canvassing system for the [Philippines 2016 General Election](#) that expected votes from 92,509 vote counting machines and 55 million voters, deployed in 1,739 canvassing centers.

- Re-Developed application that posts election results on the web in near real-time, by synchronizing the generated results with Amazon EC2, resulting in an performance optimization of nearly 15 times.
- Conducted source code review with technical committees of political parties and election watchers.
- Re-factored Java Swing application that generates data and configuration files for voting machines used by 3 million voters in 2014 [Belgian elections](#) deployed in 3224 polling places, including extension for the support of ECC (Elliptic Curve Cryptography) for encryption and digital signatures.

2009–2012 *Web Developer, [Fox International Channels](#), Guatemala, Guatemala*

- Implemented global publishing platform focused on creating and maintaining TV Channel's Websites and TV Shows, helping to reduce custom setup and maintenance costs up to 40%.
- Improved existing websites performance by integrating content distribution networks and compression/caching mechanisms, resulting in nearly 20 times (2.5s page load) speed improvement.

2008–2009 *Web Developer, [EBclosion](#), Guatemala, Guatemala*

Designed and developed an RESTful API which provided authentication and authorization services to clients that needed SMS and WAP Push notification requests, used by 1000+ mobile campaigns through North, Central and South America Telecoms.

2007–2008 *Systems Analyst and Programmer, LatiNode Communications, Guatemala, Guatemala*

Developed a billing system to manage and control customers balances, assigning direct inward dial (DID) numbers using SOAP Web Services to process payments, used by 300+ customer service representatives.

Job Related Skills

Programming languages: Java, JavaScript(AngularJS), C#(.NET), PHP, GoLang and Bash scripting.

Databases: Oracle, MySQL, PostgreSQL, NoSQL - MongoDB.

Development Methodologies: Agile (SCRUM) development, Test driven development (acceptance/unit/integration), Code review (git, SVN).

Systems: Unix/Linux, Windows, OSX and Docker.

Java Technologies: Java EE, JBoss, WildFly, Hibernate, jOOQ, JDBC, JUnit, Mockito, Maven, Spring, ActiveMQ.

Tools: IntelliJ, JIRA, Bitbucket, GitHub, GitLab, Jenkins.

Typesetting: LaTeX, DITA, Markdown.

Certifications and Other Courses

2014 Oracle Certified Professional, Java SE 6 Programmer

2013 Agile Management with SCRUM

2013 Test Driven Development

2011 VoIP with Asterisk

2010 Cisco Network Security