

# KEVIN ADRIÁN RODRÍGUEZ RUIZ

Full-stack developer

## About me

Chemical engineer and Master in computing with five years of experience in software development.

Self-disciplined person and excited about integrating multiple disciplines and making things easier and accessible.

Knowledge of web applications, Python, Java, Spring Framework, Nodejs and Amazon Web Services.

## Interests

Web applications development. Bioinformatics. Phenomena Modelling and Optimization. Learning new engineering/science topics.

## Languages

Spanish (native)  
English (fluent)  
French (basic)

## Contact

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[LinkedIn profile](#)  
[GitHub public repositories](#)

## SKILLS

Java, Javascript, Node.js, Python, Reactjs, Amazon Web Services, Spring Framework, Django Framework, Git, Postgres, MongoDB, REST, NoSQL, Scrum, Docker.

**Programs:** VS Code, IntelliJ Idea, Aspen Plus.

## EXPERIENCE

**Lulo Bank** (Backend developer, 2020)

- + **Lulo.** Java developer. Financial services to be consumed from the Lulobank phone application. Technologies: Java, Rxjava, Spring Boot, Amazon Web Services.

**Amaris Consulting** (Consultant, 2019 - 2020)

- + **Oficina en línea.** Full stack developer. Web application for the management of insurance policies. Technologies: Reactjs, Redux, Serverless, Amazon Web Services.

**Pontificia Universidad Javeriana** (Software Engineer, 2018 - 2019)

- + **ANSEP.** Astrocyte Neuron Simulation Environment Platform. Design and development. Web platform for the analysis of genome-scale metabolic reconstructions related to the study of neurodegenerative diseases. Technologies: Python, R, Django, Reactjs, Docker, Postgresql.

**Software Colombia SAS** (Systems Analyst, 2015 - 2018)

- + **SCmail.** Design, development and maintenance. Massive email marketing platform. Technologies: Java, Spring Framework, Nodejs, Gradle, Amazon Web Services.
- + **SCmail upClient.** Development and maintenance. Desktop application for the upload of directories/files from a local drive to a repository on Amazon S3. Technologies: Java, JavaFX, AWS.
- + **Elogic Monitor.** Design, development and support. Desktop application for the generation of digital signatures, encryption, and files upload, it can be invoked from all web browsers. Technologies: Javascript, Java and JavaFX.

#### Academic projects (2017-2019)

- + **Rescurves.** Design and development. Open source MS Excel Add-in aimed to ease the three-dimensional plotting of residue curves maps for quaternary systems. Technologies: C#, VSTO.
- + **Master's final work: CAMD.** Design and development. Desktop application to solve the Computer Aided Molecular Design (CAMD) problem of finding the most suitable solvent for a liquid-liquid separation. It makes use of multi-objective optimization and databases mining algorithms. Technologies: Java, MongoDB.

## EDUCATION

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|-------------|---|
| 2016 - 2019 | <b>M. Eng. in Systems Engineering and Computing</b><br>Universidad Nacional de Colombia (Colombia)                |
| 2018 – 2019 | <b>Exchange Student in the MSc in Advanced Catalysis and Molecular Modelling</b><br>Universitat de Girona (Spain) |
| 2009 – 2015 | <b>Bachelor's degree in Chemical Engineering</b><br>Universidad Nacional de Colombia (Colombia)                   |