KEVIN ADRIAN RODRIGUEZ RUIZ

Chemical engineer, software developer

About me

BSc. in Chemical engineer and MEng. in computing with more than five years of experience in software development.

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

Interests

Computing, Bioinformatics. Phenomena Modelling and Optimization. Learning new engineering/science topics.

Languages

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

Contact

Bogotá, Colombia. 111156
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(+57) 3057052399

karodriguezr@unal.edu.co

LinkedIn profile

GitHub public repositories

SKILLS

Java, Javascript, Node.js, Python, Reactjs, Amazon Web Services, Spring Framework, Django, Git, Postgres, web applications, NoSQL databases, Scrum, Docker.

Programs: VS Code, Intellij Idea, Aspen Plus.

EDUCATION

2016 - 2019   **M. Eng. in Systems Engineering and Computing**
Universidad Nacional de Colombia (Colombia)

2018 – 2019   **Exchange Student in the MSc in Advanced Catalysis and Molecular Modelling**
Universitat de Girona (Spain)

2009 – 2015   **Bachelor's degree in Chemical Engineering**
Universidad Nacional de Colombia (Colombia)

ACADEMIC PROJECTS

+ **Rescurves.** 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.** 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.

PROFESSIONAL EXPERIENCE

GNB Sudameris Bank (2020)

+ **Java developer**. Develop of financial web services consumed by the mobile applications. Technologies: Java, Rxjava, Spring Boot, Amazon Web Services.

Amaris Consulting (2019 - 2020)

+ **Full-stack developer**. Develop of web services and use interfaces for the management of insurance policies. Technologies: Reactjs, Redux, Serverless Framework, Amazon Web Services.

Pontificia Universidad Javeriana (2018 - 2019)

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

Software Colombia SAS (2015 – 2018)

+ **Full-Stack developer**. Design, development a web platform for massive email marketing platform. Technologies: Java, Spring Framework, Nodejs, Gradle, Amazon Web Services.

+ **Software developer**. Design, development and support of desktop applications signing information digitally, encrypting data and storing files in the cloud. Technologies: Javascript, Java and JavaFX.