

Aldemar Villegas

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Employment

Senior Backend Engineer **S4N** **Nov 2019–Current**

- Design and build web applications and services according to the customer needs
- Technologies: Java, Springboot, REST, GraphQL, Postgresql, Python, Scala, Docker, Kubernetes, gitlab

Senior Software Engineer **DreamCode** **Apr 2019–Nov 2019**

- Design and build integration for mobile devices activation.
- Technologies: Java, Spring Framework, Groovy, MongoDB, REST, BPM, Scrum.

Software Engineer **Grupo Bit** **Apr 2015–Apr 2019**

- Design and build web application to explore OLAP cubes in spatial context.
- Design and build APIs for geocoding, route optimization and other geo spatial functions.
- Technologies: Java, Spring Framework, JavaScript, AngularJS, Postgres, MongoDB, GIS, OLAP.

Software Engineer **Presto Sports** **Jun 2010 – Apr 2015**

- Lead developer for web application for stats entry in college sport events (NCAA)
- Build encoder/decoder to the most common format used to exchange stats between colleges (NCAA)
- Technologies: Java, Spring Framework, GWT, JavaScript, AngularJS, MySQL, GIT

Teacher **Universidad del Valle** **Jan 2008 – Dec 2009**

- Courses: Algorithms Analysis and Design, Discrete Mathematics, Introduction to Programming.

Lead Developer **Startup project** **Apr 2007 – Dec 2009**

- Design and build web application and APIs to solve vehicle routing problems.
- Technologies: Java, Spring Framework, C++, JavaScript, AngularJS, Postgres, MongoDB, GIS, Graph theory, Artificial intelligence.

Software Engineer **Open International Systems** **Mar 2005 – Apr 2007**

- Develop solutions for billing and operations support in communications and utilities companies.
- Technologies: Java, Oracle, PL/SQL

Education

Cali, Colombia **Universidad del valle** **Aug 2001 – Oct 2006**

- BSc, Computer Engineering. PGA: 4.21/5.00. 2001–2006

Technical Experience

Projects

- **Vehicle Routing App** (2007–2009). Design and build a solver for VRPTW in real environments.
- **Geocoder** (2015). Design and build APIs to validate and geolocate addresses.
- **OLAP Viewer** (2017). Web based application to navigate OLAP cubes.

Additional Experience and Awards

- **Competitive programming coach** Algorithm analysis, data structures and problem solving techniques.
- **Scholarships** Four scholarships while studying the BSc for good academic performance.
- **Awards** Andrés Bello award for high score on standardized test to access higher education (ICFES).

Courses

London, UK

British Study Centres

Dec 2010–Mar 2011

- English course, 200 hours.
- Data mining, Business Intelligence, Data warehouse.

English tests

- MET (Apr 2011), MET; Listening: 59(B2); Reading: 56(B2); Final Score: 115.