Edgar Adrian Cubillos

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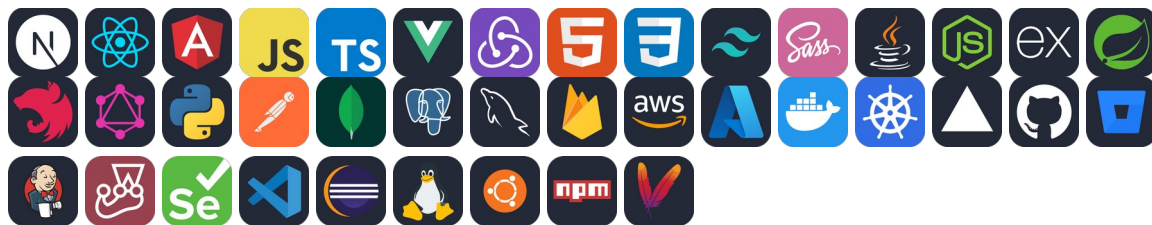
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Profile

Highly analytical Senior Software Engineer with 15+ years of experience solving complex problems and delivering high-impact, scalable software solutions on cloud platforms (AWS, Azure, Kubernetes, Docker). Proven ability to lead teams, leverage Agile methodologies (Scrum, XP), and consistently exceed expectations. Proficient in full-stack development (Java, JavaScript, TypeScript, Angular, React, Vue), API development, third-party integrations, robust security (e.g., 3-D Secure), and database management (Oracle, Firebase, PostgreSQL, MongoDB). Expertise in modernizing legacy applications, achieving significant performance gains (e.g., 80%+). Adept at unit testing and mentoring. Fluent in English and Spanish.

Skills

Frontend: Next.js, React , Angular, JavaScript, TypeScript Vue, Redux, Html5, Css3, Tailwind, Sass, Less.

Backend: Java, Node.js, Express.js, Spring Boot, Nest.js, GraphQL, Python, RestAPIs, EJB, Axis2

Database: MongoDB, PostgreSQL, MySQL, Firebase**,** SQL, PL/SQL, Oracle

Cloud and DevOps: AWS, Azure, Docker**,** Kubernets, Vercel, GitHub, Bitbucket, Jenkins, Jira, CI/CD, NPM, Maven

Testing: Jest, Selenium, Postman, Mocha/Chai, JUnit,

IDE's: VSCode, Eclipse

Project Management: SCRUM, XP**,** PMI and CMMI 2.

Experience

Senior Software Developer   **April 2021 - June 2024**
Verizon Communications Inc., New York, USA - Remote
Java, React, Angular, JavaScript, CSS3, express, Nodejs, Docker, AEM, BitBucket, Jenkins, AWS, Oracle

- Successfully implemented 3-D Secure from Cybersource into the Total by Verizon checkout process to address a rising rate of fraudulent transactions. This enhancement resulted in a 15% reduction in fraudulent transactions within the first quarter, significantly improving customer trust and reducing financial losses.
- Improved the customer checkout experience by integrating PayPal purchase capabilities for specific high-demand items. This resulted in a 5% increase in sales conversion for those items within the first 2 months.
- Developed several new components for existing customer journeys to support latest promotional campaigns.
- Applied my expertise in React, Java, Servlets and REST APIs to resolve critical bugs and provide ongoing support for a diverse range of Verizon websites (straighttalk.com tracfone.com, totalbyverizon.com, and totalwireless.com).
- Successfully integrated and managed responses from several third-party APIs within the AEM content management system at Verizon, resolving integration challenges and ensuring data accuracy and reliability.
- Developed and implemented CCPA compliance modules for the TracFone angular application, ensuring compliance for 6 subsidiaries and protecting the privacy of millions of customers' data.
- Leveraged Jenkins to implement best practices for CI/CD, ensuring consistent and automated deployments across all environments.

Senior Software Developer   **October 2012 - January 2021**
Vertiv Co., Miami - Fort Lauderdale Area, USA – On-site
Java, React, Redux, Express, Angular, JavaScript, typescript, CSS, AWS, Jest, Selenium, Git, docker

- Developed a new application using React with Redux for the UI and Spring Boot and Rest for the backend API services , enabling users to efficiently manipulate symbols within the Trellis system. This resulted in more than 80% reduction in processing time, improved user satisfaction based on feedback.
- Developed a robust logging module using the Observer pattern, ensuring efficient and scalable logging capabilities for improved debugging and monitoring.
- Migrated a legacy Oracle ADF application to Angular 8+, improving maintainability, performance, and scalability. This modernization effort reduced maintenance efforts drastically.
- Conducted thorough requirements analysis and designed a new user experience, resulting in improved usability scores, positive user feedback based on testing, and increased user engagement.
- Implemented comprehensive unit testing using Jest for both Angular and React projects, increasing test coverage to more than 90% and reducing post-deployment bugs by 40%.

- Replaced a legacy Flex application with a modern HTML5 canvas-based visualization, improving performance, cross-browser compatibility, and the overall user experience. This resulted in improved rendering speed and a much better responsiveness.
- Developed and integrated 20 custom reports within the Trellis data center infrastructure management system using JasperReports Server. These reports provide critical information on alerts per device, compromised resources, and more, with advanced filtering capabilities (building, floor, area, rack, device). This enhanced data accuracy and facilitated more efficient maintenance and resource allocation.
- Leveraged existing Enterprise Java Beans (EJBs) to efficiently integrate business logic and manage data persistence, optimizing application performance and reducing development time. This optimized database interaction resulted in faster response times and reduced database load.

Senior Java Developer   **February 2011 - May 2011**
E&S Solutions, Bogota, Colombia – On-site
Java, EJBs, JSF, MVC, Junit, Struts, Jquery, Abstarct Factory Pattern, Jasper Reports, Apache Tomcat, Maven

- Successfully led the requirements gathering, design, and documentation processes for the Revamping Web Portal project. The resulting clear and comprehensive specifications ensured seamless development and successfully improved user satisfaction.
- Successfully implemented the Model-View-Controller (MVC) architectural pattern using Struts, promoting code organization, maintainability, and reusability.
- Developed reusable components for generating MS-Word documents and JasperReports using the Abstract Factory pattern. This improved efficiency and reduced development time for future reports and documents.
- Effectively utilized and adapted existing Enterprise Java Beans (EJBs) to integrate business logic and streamline data access, promoting code reusability and reducing development effort.

Senior Java Developer   **June 2010 - November 2010**
Broadnetla, Guayaquil, Ecuador – On-site
Java, EJBs, JSF, MVC, Junit, Struts, Abstarct Factory Pattern, Jasper Reports, Apache Tomcat, Maven

- Successfully migrated a legacy HEPS 2000 communications platform to a modern Java-based system. This complex project involved designing and developing Java applications incorporating socket management and multithreading for fast and secure communication with partners. The migration also included the seamless transfer of database objects (tables, views, triggers, sequences, stored procedures) from MSSQL 2000 to MSSQL 2005, ensuring minimal disruption to business operations.

Senior Java Developer   **April 2009 - May 2010**
Systems & Solutions, Bogota, Colombia – On-site
Java, EJBs, Ice Faces, MVC, Junit, DAO, DTOs, Servlets, Apache Axis 2.0, Maven, Active Directory, PL/SQL

- **Colombian Military Forces Budget & Expenses Application:** Designed, developed, and implemented a web application using Ice Faces (MVC architecture) and Enterprise Java

Beans (EJBs) to manage budget, travel, and per diem expenses. This involved database modeling (DAOs and DTOs), business logic implementation, and web service development using Apache Axis 2.0 and Servlets.

- **Metropolitan Police Forces Mobile Identification System (PIDEN Mobile):** Designed, developed, and implemented PIDEN Mobile, a secure mobile fingerprint identification system for the Metropolitan Police Forces, using Java, the Motorola API, and CrEme VM for Windows Mobile 6.0. I overcame challenges related to integration with legacy systems by developing a robust database schema with PL/SQL procedures for efficient data management and a standalone application (JDBC) for secure log history management. Oracle ADF was used for creating a user-friendly interface for visualizing access logs to the Colombian Police Bureau offices.

Senior Java Developer   **June 2008 - February 2009**
Dinissan (Nissan Colombia), Bogota, Colombia – On-site
Java, EJBs, JTA, MVC, Junit, JSF, Informix, RBMS, WebSphere, Subversion

- Builta robust B2C e-commerce solution for Nissan, integrating online payments, pre-order processing, and parts ordering. This involved overcoming challenges related to legacy system integration and real-time transaction processing. I leveraged Java Server Faces 1.2 (MVC), the JTA transaction API, and Informix database technologies to create a secure and scalable platform deployed on a WebSphere application server.

Java Developer   **November 2006 - May 2008**
ATH S.A., Bogota, Colombia – On-site
Java, EJBs, JTA, MVC, Junit, JSF, Informix, WebLogic, OC4J, Maven, JTest, WebKing SOATest, SVN, SQL

- Worked on a mobile banking application and a B2C utility payment platform. This involved utilizing Struts 2.0 (MVC) and handling complex interactions between multiple application servers (WebLogic, OC4J, IIS, and Apache). I ensured the quality and reliability of the application through rigorous testing with Parasoft tools (Jtest, Webking, SOATest) and addressed challenges related to integrating with legacy systems. My responsibilities encompassed the full software development lifecycle, including database maintenance (MS SQL 2000, Oracle 9i/10g) and code version control (SVN).

Java Developer   **October 2005 – October 2006**
AVAL Group, Bogota, Colombia – On-site
Java, EJBs, MVC, JSF, Crystal Reports, PL/SQL, Junit, Rational Test Case

- Modernized AVAL Group's currency management application ("SISCOI") by migrating it from the legacy Forte language to the J2EE platform. This complex project required proficiency in Java, JSF, PL/SQL, and Crystal Reports. My responsibilities included developing and maintaining web pages, designing and implementing a reporting module, creating and managing database objects, and implementing robust testing procedures (JUnit, Rational Test Case). This migration resulted in overall improved customer experience and performance, enhanced security and better maintainability.

Education

- Bachelor of Science in Computer Science, 2005
- **Certifications**: Responsive Web Design, Angular, React, Node.js, Redux, Data Structures and Algorithms, WebGL

freeCodeCamp(🔥)

This certifies that

Edgar Adrian Cubillos

successfully completed the

Responsive Web Design

Developer Certification on November 23, 2024

representing approximately 300 hours of work

Quincy Larson
Executive Director, freeCodeCamp.org

Verify this certification at:
https://freecodecamp.org/certification/Adrian-Cubillos/responsive-web-design

MOSH
CODING MADE SIMPLE

Code with Mosh

CERTIFICATE OF GRADUATION

Awarded To

EDGAR ADRIAN CUBILLOS

Graduating From

Mastering React

Date: 2019-04-23

Serial No.

cert_d0zrlv7l

MOSH
CODING MADE SIMPLE

Code with Mosh

CERTIFICATE OF GRADUATION

Awarded To

EDGAR ADRIAN CUBILLOS

Graduating From

The Complete Node.js Course

Date: 2019-03-16

Serial No.

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