

# Edgar Adrian Cubillos

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@showCase: <https://showcase-eight-psi.vercel.app/> |

@portfolio: <https://portfolio-snowy-seven-70.vercel.app/> |

@linkedin: <https://www.linkedin.com/in/adrian-cubillos> |

@github: <https://github.com/adriancubillos>

## Profile

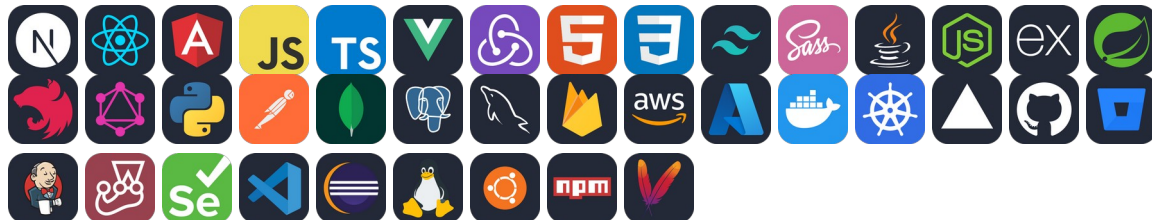
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Full-Stack Engineer with over 15 years of experience designing and developing modern web applications using React, Next.js, Node.js, and NestJS. Deep expertise in building scalable, responsive, and secure front-end architectures with JavaScript/TypeScript, Tailwind CSS, and state management tools like Redux. Skilled in API integration, third-party services, and creating pixel-perfect user interfaces that align with user experience goals. Proficient in back-end development with Express, Spring Boot RESTful services, while leveraging DevOps tools (Docker, CI/CD, AWS) for efficient deployment.

Agile team player fluent in English and Spanish, with a strong history of modernizing legacy systems and mentoring junior developers.

## Skills

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**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, REST APIs, EJB, Axis2

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

**Cloud and DevOps:** AWS, Azure, Docker, Kubernetes, 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.

**AI:** Copilot, Windsurf, Cursor, ChatGPT, Claude

## Experience

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### Senior Software Developer

**April 2021 - June 2024**

Verizon Communications Inc., New York, USA - Remote

Java, AEM 6.x, OSGi, Sling Models, Servlets, REST APIs, Oracle, Jenkins, Docker, AWS, Node.js, React, Angular

- Developed and maintained Java-based OSGi services and Sling Models within Adobe Experience Manager (AEM), enabling seamless content integration and dynamic rendering of checkout and product detail pages.
- Paypal Integration:
  - Used the PayPal JavaScript SDK to render smart payment buttons on the React frontend
  - Developed a modular Java service layer using interfaces and class hierarchies to manage dynamic PayPal order creation and capture workflows.
  - Exposed a secured @PostMapping endpoint in Spring Boot to generate a PayPal OAuth2 access token using client credentials grant flow. Implemented Basic Authentication using RestTemplate and exchanged Client ID and Secret for a short-lived bearer token.
  - Built a Spring Boot controller to interact with PayPal's Orders API using POST requests and mapped request/response bodies with DTOs.
  - After the customer approved the payment via the PayPal UI, called the backend from the frontend to capture the payment
  - Backend made a POST request to /v2/checkout/orders/(orderId)/capture
  - In the React app, configured:
    - createOrder: to call /api/orders (backend order creation endpoint)
    - onApprove: to call /api/orders/(id)/capture after approval
    - Stored PayPal credentials using environment variables
  - Ensured only authorized access to backend endpoints
- Automated CI/CD processes via Jenkins and Docker, ensuring smooth releases across multiple staging environments.
- 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).

### Senior Software Developer

**October 2012 - January 2021**

Vertiv Co., Miami - Fort Lauderdale Area, USA – Hybrid

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.

- Implemented a modular logging mechanism using Spring's ApplicationEventPublisher and @EventListener annotations to apply the Observer pattern, enabling decoupled, scalable log event handling for enhanced debugging and system 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, Abstract 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, Abstract 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

- Built a 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

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





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## CERTIFICATE OF GRADUATION

Awarded To

**EDGAR ADRIAN CUBILLOS**

Graduating From

**Mastering React**

Date: 2019-04-23

**Serial No.**

cert\_d0zrlv7l



Code with Mosh

## CERTIFICATE OF GRADUATION

Awarded To

**EDGAR ADRIAN CUBILLOS**

Graduating From

**The Complete Node.js Course**

Date: 2019-03-16

**Serial No.**

cert\_0gsz6m4p

# Nova Southeastern University

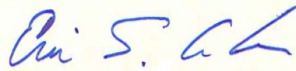
## Graduate School of Computer and Information Sciences

**Edgar Cubillos**

*Having satisfied the requirements of this program*

**WebGL Bootcamp**

*Given this 27<sup>th</sup> day of January 2015 in Fort Lauderdale, Florida  
at the Center for Technology Continuing Education*



Eric S. Ackerman, Ph.D.

Dean

Graduate School of Computer and Information Sciences  
Nova Southeastern University



NOVA SOUTHEASTERN  
UNIVERSITY

Graduate School of Computer  
and Information Sciences