

Alfredo Castillo Jr.

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Education

University of Illinois at Chicago (UIC)

Bachelor of Science in Computer Science

Graduated May 2014

Overall GPA: **3.25/4.0**

Technical Skill Set

Web Development: Angular, React, NestJS, Spring Boot, NodeJS, Express, NET Core, ASP.NET, Django, Nx, TailwindCSS, HTML5, CSS, LESS, SASS, Webpack

Programming Languages: TypeScript, JavaScript, Java, C#, C++, C, Objective C, Swift, Python, PHP, Kotlin

Development Tools: NgRx, Redux, Docker, Kafta, Redis, Helm, Harbor, JPA, Hibernate, Entity Framework, NET Core, Xcode, Eclipse, Git, GraphQL, Bootstrap, Angular Material, Material Design

Database: MySQL, SQL Server, PostgreSQL, MongoDB, SAP HANA, Tibco

Other: Kubernetes, OpenShift, AWS, Containers, Monorepos, MicroFrontEnds, Cypress, Jest, Jasmine, Karma, Protractor, JUnit, Jira, TFS, Gitlab, Bitbucket, Slack, CI/CD Pipelines

Work Experience

Lockheed Martin - Full Time Remote - Full Stack Engineer Staff

March 2021 - Current

- Rewrote React application to use best practices by adding Redux state management, decoupling business logic from components, using custom hooks and using Typescript making it easy to maintain, scale, and less error prone as well as easier to debug.
- Design and develop Angular applications using Angular CLI best practices along with integration of Angular Material and TailwindCSS for UI design and components.
- Develop a collection of Java microservices using technologies such as Spring Boot and GraphQL.
- Worked with Object Relational Mapping Java technologies JPA and Hibernate to design, develop and maintain SQL databases.
- Integrate application and service authentication using the enterprise OIDC service and JWTs.
- Setup up GitLab repositories with CI/CD pipelines for integration, tests, builds, security scans and deployments. Using and customizing enterprise YAML templates.
- Configured CI/CD pipelines to use Docker containerization, Harbor image repositories and Helm deployments.
- Migrated and configured microservices and applications to use OpenShift environment.
- Leading migration of supported application to MicroFrontend architecture using Module Federation.
- Worked with integration of Business Process Automation Tools. Designing and supporting process modeling in Red Hat Process Automation Manager as well as integration with Angular application and Spring Boot microservices.

Lockheed Martin - Full Time Remote - Software Engineer Sr

January 2020 - March 2021

- Development of Enterprise Contract applications. C# WinForm client, WCF middle tier and SQL Server.
- Create and manage TFS build and release pipelines for automatic build and releases.
- Support application maintenance and support tickets from all Lockheed sites.
- Lead the migration to adopting .Net Core api for future interfaces and future migration of WCF middle tier application.
- JIRA for agile/scrum task management tool

Lockheed Martin - Fort Worth, TX - Software Engineer Sr

November 2018 - January 2020

- C++ embedded software development and debugging for the F-35 multifunction displays on the Pilot Systems Software team.
- Experience using in house developed and COTS tools such as JASPER, JADE, Rhapsody, ADA Multi and Parasoft tool suites for full development life cycle.
- Experience in test driven development. Automated testing done with in house SWAT testing language.

- Used Serena Dimensions for configuration management and process documentations as well as TASER for requirements.
- Scrum Master and Team Lead of 7 developers.
- JIRA for agile/scrum task management tool

Lockheed Martin - Fort Worth, TX - *Software Engineer II*

April 2015 - November 2018

- Front End development using AngularJS framework for modularization of javascript code, while using modern web development workflow tools such as gulp, for building, test automation and deployment, NPM and Bower for modules and package management, as well Yeoman for generators, boilerplates and scaffolding of applications.
- Experience in database design, development and support of MS SQL Server as well as implementing business logic using triggers, functions, views and stored procedures while using tools such as SQL Server Management Studio.
- Backend development, design and deployment of ASP NET web api services using C# .NET object oriented Programming. Transferring of data using XML and JSON.
- Web UI design consisted of using tools such as Bootstrap, CSS, SASS and LESS as well as designing with Adobe Photoshop.
- Designed and developed the deployment of three iOS enterprise applications written in Objective C.
- Developed Windows Forms application in C# that communicated to an ASP.NET web service through AJAX and XML. Integrated third party vendor SDK to communicate and send data to external hardware.
- Participated and graduated from Full Stack Engineering Pipeline and gained experience creating a full CI/CD pipeline using AWS cloud.

Lockheed Martin - Albuquerque, NM - *Software Engineer*

November 2014 – April 2015

- Maintained and implemented features on software interacting with virtual simulation systems through TCP and UDP connections.
- Worked on in C++ and C# that heavily involved networking and interprocess communications between multi threads.
- Implemented features to software involving Django web framework while using Python and as well as the rest of the common web development languages. The software used RESTful web services with AJAX and XML to communicate with server.
- Mercurial control management tool for version control.

Infinite Convergence Solutions - Arlington Heights, IL - *Software Engineer*

June 2014 – November 2014

- Developed an enterprise messaging application that could be used from the desktop, web or iOS and Android mobile device. Gained experience working with web development languages such as HTML5, JavaScript and CSS.
- Developed and maintained server side scripting in PHP as well as MySQL relational database management system.
- Experience using RESTful web service using AJAX and JSON
- Used Apache Cordova API to build the mobile applications using web development tools. Worked with Apache Subversion as our version control system and Trac open source project as our issue tracking system.