

MUTHU KUMAR

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[LinkedIn](#) | [Profile](#)

PROFESSIONAL SUMMARY:

- 11 years of experience as a Software Developer.
- Proficient in **Front-End** Technologies such as **Angular 14, React 16.0, HTML5, CSS3, JavaScript, jQuery, and Handlebars.js.**
- I have extensive experience working in diverse domains, including Investment, E-commerce, Performance Monitoring, Content Management Systems (CMS), Cisco Server Tools, and Job Portals.
- Intense interest in software development and proficiency in developing web applications with HTML5, CSS, AJAX, Bootstrap, JavaScript, NgRx, RxJS, Redux, XML and JSON.
- Experience in building Micro Frontends with Module Federation.
- Developed secure login forms following best practices for password hashing and user authentication.
- Proficient in building **UI using W3C web** standards and are browser compatible.
- Implemented Multi-Factor Authentication (MFA) using industry-standard protocols (e.g., TOTP, SMS verification) to enhance user security.
- Integrated with secure authentication providers (e.g., OAuth, OpenID Connect) for seamless user login and authorization.
- Experience in popular JavaScript frameworks like Backbone.js, jQuery, RequireJS, Jasmine, and Karma with automation tools like Grunt, Gulp with NPM, and Bower.
- Involved in the design and development of single page applications.
- Followed secure coding practices and stayed updated on the latest security vulnerabilities and mitigation strategies.
- Self-directed problem solver with strong analytical skills. Proven ability to independently identify and resolve complex technical issues.
- Good knowledge of Git and agile methods.

TECHNICAL SKILLS

- **JavaScript Libraries:** Angular, React, NgRx, Bootstrap, jQuery, Redux, RxJS, Handlebar.js, Vue JS
- **Testing libraries:** Karma, Jasmine, Selenium and Protractor
- **Client-side builds tools:** Npm, Bower, Grunt, Gulp
- **Web Development:** LESS, SASS, GRUNTS, Handlebar JS, Bootstrap, Vuetify.js
- **Designing Tools:** Adobe Photoshop CS5
- **Tools:** WAMP, XAMPP, CI/CD, Jenkin, GIT, JIRA, Apache Tomcat, WHM, FileZilla
- **SEO Tools/Methods:** Meta Tag, Backlink, Directory

WORK EXPERIENCE:

Fidelity Investment, Dallas, TX

Dec 2022 – Apr 2024

Role: UI Lead

Fidelity Regulatory Management Tool

Responsibilities:

- Owned the entire design process, from user research and wireframing to prototyping and implementation.
- Closely collaborate with UX designers to understand design mockups and translate them into functional user interfaces.
- Employed techniques to prevent Cross-Site Scripting (XSS) vulnerabilities, such as input sanitization and output encoding.
- Implemented measures to safeguard against Cross-Site Request Forgery (CSRF) attacks, using tokens and other protective mechanisms.
- Ensured proper database interaction to prevent SQL injection threats through prepared statements and parameterized queries.
- Developed and implemented a micro frontend architecture, resulting in a 20% reduction in development time and improved code maintainability.
- Utilized Module Federation for dynamic code sharing between micro frontends.
- Using Angular 14, HTML, SASS, TypeScript and JavaScript to build the visual elements and interactive features

of the user interface.

- Involved in client meetings to understand their needs and expectations.
- Gather functional and non-functional requirements.
- Experience in web analytics tool Tableau.
- Designed business tools and web applications using front-end technologies based on the W3C standards.
- Implementing accessibility best practices to make the UI usable for people with disabilities.
- Collaborate with back-end developers to ensure an API integration between the UI and the application's functionality.
- Writing unit tests using the karma-jasmine testing framework.
- Provide high-level development estimation and planning.
- Used Agile / Scrum development methodology.

Environment: Angular 14, Micro Front End, Ag Grid, Rxjs, Spring Boot, AWS, Web2py, SASS, Agile, GIT.

Client: AppDynamics, San Fransico, CA

Feb 2021- Dec 2022

Role: Sr. UI Developer

APPDYNAMICS

URL: <https://www.appdynamics.com/product>

Responsibilities:

- Involved in analysis, specification, design, implementation, and testing of Software Development Life Cycle.
- Involved in writing the front-end code for the application using Angular 9.
- Designed business applications using web technologies like **Angular, HTML**, and **SASS** based on the W3C standards.
- Writing unit tests cases in **karma** and **jasmine** for the angular components.
- Designed and enhanced user experience design within object-oriented JavaScript frameworks like AngularJS, and Angular Node JS.
- Developed and designed the various screens and their architecture in accordance with UI Specs.
- Implementing a Lazy loading technique that permits us to load the javascript components only when their respective routes are active or being hit.
- Managed dependencies using Bower and used the service version tool GitHub. Worked with IDEs like Sublime text, Brackets, etc.
- Handle Team, Responsible for requirement gathering and analysis, design, development, and deployment plans.
- Drive and interface with project stakeholders including the business and product team, from Requirement Analysis, Design, and Development to fulfilling all required compliance, and validation of requirements.
- Take ownership of and drive the complete UI module, including information gathering, and creating technical documentation using the Atlassian confluence tool.
- Coordinated with the QA team for defining test plans and testing.

Environment: AWS, JAVA, Python, .Net, Angular JS, Angular, Blackduck, HTML5, CSS3, JavaScript, jQuery, SASS, Node.js, Bootstrap, AJAX, JSON, Backbone.js, Ext.js, JSON, Eclipse, Grunt, Agile, Responsive design, Browser Support for IE 10, Edge, Firefox, Chrome.

Client: Cisco Systems, Bengaluru, India

April 2018 – Jan 2021

Role: Full Stack Developer

CISCO SBM Auto Tracker

Responsibilities:

- Responsible for Development, Integration, and Testing
- Used Agile / Scrum development methodology.
- Write programs using backend technologies like Python Web2py framework, PHP, MySQL.
- Designed business tools and web applications using front-end technologies like Vue js, Angular, React, HTML5, and SASS based on the W3C standards.
- Conduct Unit Testing and Integration Testing of the enhanced modules and maintain Accessibility Standards. Conduct a review of System Test Defects and identify & highlight critical issues.
- API and UI Development activity.
- Write bash and PowerShell for the server build activity and corn jobs.
- Configured the database server for taking automatic backups of the database.
- Writing unit tests using the karma-jasmine testing framework.
- Gather functional and non-functional requirements.

- Developed REST architecture-based web services to facilitate communication between clients and servers.
- Execute production testing during the production implementation phases.
- Analysis of the specifications provided by the clients.
- Provide high-level estimation and product roadmap planning.
- Designing a wireframe, and flow diagram for the project solution

Environment: Cisco USC Server, Apache tomcat, HTML5, CSS3, JavaScript, Web2py, Angular JS, Angular, React, Vue js, Qali (Cisco Internal Framework), Blackduck, jQuery, SASS, Bootstrap, AJAX, JSON,, Eclipse, Grunt, Agile, Responsive design.

Client: Publicis sapient, Bengaluru, India

Nov 2016 – Feb 2018

Role: UI Developer

KPMG

URL: <https://home.kpmg.com>

Responsibilities:

- Developed internal and external validation code using JavaScript.
- Built Rich Prototypes and Applications using HTML5, CSS3, JavaScript, jQuery, Ajax, JSON, Vue JS, and Bootstrap.
- Coded JavaScript for page functionality and Pop-up Screens.
- Used jQuery, CSS, Bootstrap, and Vue JS to create an interactive user interface.
- Developed dynamic UI using Vue JS.
- Created pages in Sitecore and validated the HTML code with **W3C** Validator.
- Analyzing and resolving defects.
- Implemented AJAX functionality using **jQuery**, JSON and XML.
- Design and development of Web pages using HTML, CSS, and XML including **AJAX** controls.
- Responsible for maintaining current websites that include updating web pages and uploading new content changes.
- Understanding client's business requirements and participating in client meetings for designing and developing user-friendly front-end customer-facing product sites using a mix of technologies and techniques such as HTML5, CSS3, AJAX, **XHTML**, JavaScript including popular JS frameworks such jQuery and jQuery UI
- Involved in the development of Dynamic loading of web pages using Ajax calls with server pages.

Environment: Vue JS, HTML 5, CSS3, JavaScript, JAVA JSP, jQuery, AJAX, JSON, Eclipse.

Client: Conagra, Bengaluru, India

Feb 2016 – May 2016

Role: UI Developer

Conagra Career Portal

URL: <https://careers.conagrabrands.com/us/en>

Project Description:

Responsibilities:

- Developing a careers portal with **a short duration of four months**.
- Developed using React, jQuery, SASS, and Bootstrap to create the interactive user interface.
- Analyzing and resolving defects.
- Wrote extensive HTML5, SASS, and JavaScript code to build responsive web pages.
- Involved in the development of Dynamic loading of web pages using react components.
- Design prototype design to showcase company clients.
Review, revise and approve technical design documents. Implement client revisions and comments to the UI design.

Environment: React, HTML 5, SASS, JavaScript, JAVA JSP, jQuery, JSON, GIT, AWS.

Saksham, Bengaluru, India

Mar 2015 – Dec 2015

Role: Web Developer

Saksham FM

Responsibilities:

- Participated in the entire phase of the development cycle from design, testing, and implementation.
- Worked with popular browser developers and debugging tools/plugins like IETester, Chrome Inspector, and Firebug.
- Wrote extensive React code to build the responsive design and functional module.

- API Development using the CakePHP framework.
- Configured the database server for taking automatic backups of the database.
- Tested websites for cross-browser compatibility.

Environment: CakePHP, MySQL, React.js, HTML 5, CSS, JavaScript, Apache.

E Mahendra, Bengaluru, India

Dec 2013 – Dec 2014

Role: Full Stack Developer

URL: <https://emahendra.com/>

Responsibilities:

- Worked with e-commerce databases to develop a shopping cart system.
- Developed product inventory and point-of-sale applications.
- Design front-end design for the applications.
- Developing payment gateways for the application using a third-party API system.
- Tested websites for cross-browser compatibility.

Environment: PHP, WordPress, MySQL, HTML, CSS, JavaScript, jQuery, Apache Server.

Deuce Tech Solution, Bengaluru, India

April 2012 – Dec 2013

Role: UI Developer / SEO

Deuce Tech Website and Clients website

URL: <https://www.deucetech.in/>

Responsibilities:

- Design front-end design for the applications.
- Developed REST architecture-based web services to facilitate communication between clients and servers
- Creating and initiating pay-per-click ads and then tracking, reporting and analyzing results on SEO
- Developing strategies to team with high-value sites and implement cross-links for website ranking for SEO
- Tested websites for cross-browser compatibility.

Environment: SEO Tools, Google Adwords, Google Analytics, Photoshop, Flash, PHP, MySQL, HTML, CSS, JavaScript.

EDUCATION

Bachelor's in computer science and engineering – **2012** - MCET, Anna university, India.