

## Summary:

- Enterprise lead developer and an entry level architect with over 14 years of experience in designing innovative business solutions for large organizations.
- Extensive knowledge in application development, architecting cloud-based solutions, Web development, DevOps, multi-tenant SaaS Solutions, Application Security in Cloud computing infrastructure such as AWS.
- Worked on high level architecture designs and assisted in technical delivery of large-scale enterprise projects.
- Extensive experience in **React JS, Typescript, Node Js, AWS.**
- **Senior Javascript security engineer** and experience in reverse engineering and preventions.
- Designed complex cloud-based solution architecture for Workflow Engine Solutions adhered to best practice design for high-availability and consisted of most Amazon Services (Cloud Front, ECS, React Js, Spring Boot, Docker, Step functions, S3, Route53, Elastic Load-Balancing, Cloud Watch, Kinesis, Node JS Lambda, etc.).
- Strong experience in **UX design** to shape up the look & feel of the application and enrich solid user experience in collaboration with product owners.
- Recommend and implement industry best practices in user experience management.
- Expertise in secure coding, performing automated or manual static analysis – Javascript.
- Extensive experience in developing web pages using **Javascript, React JS, Redux, Typescript, Angular, Node.js, Express.js, Spring Boot, Web sockets, AWS, Docker, Terraform, GraphQL, Bootstrap, CSS.**
- Hands-on experience in configuring and hardening **cloud-based infrastructure** using **terraform** (AWS).
- Experience with application security tools such as **vulnerability scanners, OWASP, Veracode** and **SonarQube.**
- Experience in all phases of **SDLC** like **Requirement Analysis, Implementation** and **Maintenance**, and extensive experience with **Agile/ SCRUM, DevOps practices** and related tools.
- Outstanding skill in developing single page applications (**SPAs**) using **Material UI and Bootstrap frameworks** for mainstream browsers, such as chrome, safari, edge and portable devices.
- Good experience on customizing **CSS frameworks** like **Bootstrap** and **Material UI** using **CSS** pre-processors **SASS** or **LESS** and Compass.
- Experienced in working with **Redux architecture** using complex Object-Oriented concepts in improving the performance of the websites.
- Experienced in **React.js** for creating interactive **UI's** using **One-way data flow, Virtual DOM, JSX, React Native** concepts.
- Working with **ECMA Script 6 features**. For the build of **JSX** and **ES2015(ES6)** used **Babel, web pack.**
- **Excellent troubleshooting skills** and will be able to help project team members at any critical period.
- Ability to work effectively while working as a team member as well as individually.
- Proficiency in designing interfaces and building clickable prototypes using Sketch, Adobe XD, InVision.
- Have conducted many sessions on **Javascript Security** and **React Js development.**
- Excellent communication and **Inter-Personal Skills, well-organized, goal oriented.**

## Professional Experience

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08/2019 - Current

### Full Stack Developer – React JS/ Spring Boot/ Node/ AWS

Client: CNA Financial Corporation, Chicago, IL

- Performed as a technical lead for UI with responsibility of delivering of 2 development projects so far including mentoring junior developers and helping them on development activities.
- Designed, built, and deployed micro service applications utilizing almost all of the AWS stack (Including EC2, ECS, R53, S3, RDS, DynamoDB, SQS, IAM, SNS, Cloudfront, Cloudwatch, ELB's), focusing on security, high-availability, fault tolerance, and auto-scaling.
- Automated all aspects of the AWS infrastructure provisioning for a Highly Available, durable and HIPPA compliant architecture deployed across three global regions.
- Developed & Published reusable UI library building on top of Material UI elements for the enterprise which can be consumed by various development projects within the company.
- Regularly Interacted with the Product owner and Business Analysts to discuss and understand the business need and flow of the application.
- Developed single page applications using React Redux architecture as well as React App Context, ES6, web pack.
- Worked with an agile team to help put together two-week sprints for estimations and difficulty of development.
- Developed various screens for the front end using React JS and used various predefined components from NPM (Node Package Manager).
- Worked heavily on CSS3 and SASS layout for DOM manipulation.
- Developed integration tests for entire applications running all CRUD endpoints and specific business logic endpoints for API integrity.
- Has worked with Node.JS for writing code in the server side – Rest API and creating scalable network applications and extensively tested it through POSTMAN automation.
- Built custom hooks for debouncing and fetching from multiple databases at one time.
- Testing the applications in multiple lower-level environments for cyber security protection, non-sensitive data manipulation and admin privileges spoofing.
- Worked with modules like MongoDB and mongoose for database persistence using Node.js to interact with mongo DB.
- Implemented services, controllers, directives, factory functions to properly consume API on the front end and send back data in JSON format to the back end by capturing in the UI
- Worked with JSON web tokens for authentication and authorization security configurations using Node.js.
- Provided other day to day activities included unit testing, documentation, fixing defects, root cause analysis, code review, defect resolution, QA support.
- Worked with unit testing of JavaScript applications using Karma, Jasmine.

- Managed source control, version control using GitLab, attended team meetings regularly.
- Conducted multiple sessions to train junior developers on React Development for best practices.

03/2014 – 07/2019

## **Full Stack Developer/ React, Node & Spring Boot Developer**

*Client: Reinsurance Group of America, Chesterfield, MO*

- Web designing & development using HTML5, CSS3, JavaScript, React JS and redux.
- Developed React JS pages, Web services calls and AJAX calls for the application
- Served as point of contact for multiple insurance carriers regarding implementation, follow-ups, troubleshooting and response to carrier queries.
- Used React JS in development of the web application to bind the data/model that is being retrieved from a database through services provided in a controller to the view using scope.
- Participating in Agile as well as Kanban Scrum methodologies which involve Daily Stand-up meetings, two-week sprints, Weekly Retrospective meetings and Sprint Demos.
- Designing and implementing web-based applications using Java 8, JPA, JSP, Spring MVC, and spring boot, SQL, React and React native.
- Extensively used React js, D3.js, underscore.js, Node JS and lodash.js for JavaScript object and array manipulations.
- Working with Micro services architecture using Spring Boot-based services interacting through a combination of REST and Spring Boot.
- Worked on React, angular JS and Node JS framework to develop interactive websites based on business needs.
- Implementing Java 8 features like Streams, Parallel Streams and Lambda expressions for effective sorting mechanisms.
- Implemented various screens for the front end using React.js and used various predefined components from NPM (Node Package Manager) and redux library.
- Designed and documented REST/HTTP APIs, including JSON data formats and API versioning strategy.
- Working with Maven as a Build tool for deploying the application to different environments using Jenkins.
- Working with Mockito and Junit for unit testing. Successfully executed Integration and Component tests before deploying it to the environments.
- Develop various screens for the front end using React JS and used various predefined components from NPM (Node Package Manager) and redux libraries.
- Implemented HTTP REST API using Node JS and extensively tested RESTful services using POSTMAN.
- Implement modules into Node JS to integrate with designs and requirements.

- Implemented services, controllers, directives, and factory functions to properly consume API on the front end and send back data in JSON format to the back end by capturing in the UI.
- Developed user interface by using the React JS, Flux for SPA development.
- Implemented client-side Interface using React JS.
- Worked in using React JS components, Forms, Events, Keys, Router, Animations and Flux concept.
- Build React components and stand-alone functions to be added to any future pages.
- Experienced in React JS and working with React Flux architecture.
- Working with React Router for developing Single Page Applications SPAs.

09/2012 – 03/2014

## Full Stack Developer – Sr. Software Engineer

*Client: Statefarm, Bloomington, IL*

- Interacted with business analyst to understand the requirements to ensure correct **UI** modules been built to meet business requirements.
- Worked in developing dynamic robust **UI** screens using **CSS, HTML, Angular JS, JavaScript, Bootstrap, and jQuery**.
- Developed web pages using **Forms, Components, Layouts, Events, Validations, Trees**, Grid's components.
- Used **MVC** architecture of Framework to simplify the code complexity and increase clean code.
- Worked on **CSS** preprocessor frameworks (**SASS/LESS**).
- Involved in writing application-level code to interact with APIs, Web Services using **AJAX, JSON** and **XML**.
- Interacted with java controllers (**jQuery, Ajax, and JSON** to write/read data from back-end systems).
- Implemented **Data Grid, Charts, Forms** and **Layout Manager Components**.
- Creating cross-browser compatible and standards-compliant CSS-based page layouts, fix the bugs about various browsers.
- Expertise in Core Java concepts such as **OO Design, Multithreading, Generics Exception Handling, Collections, Java Reflection, Annotations**.
- Taken care of complete Java **Multi-threading** part in back-end components.
- Involved in the development of project back-end logic layer by using most of the core Java features such as **Collection Framework, Interfaces, Multi-Threading and Exception Handling programming**.
- Define technical requirements based upon business requirements.
- Involved with all stages of the **Software Development Life Cycle**.
- Involved in the analysis, **design**, and **development phase** of the application.
- As a team member, I was involved in preparing **design documents - Technical Design, Functional Design Technical Domain documents, Application Interface Contract, and Service Interface Contract Documents**.
- Used **SVN** the version control tool for code commits and update.

- Worked on the web services and front-end design and solved the issues with the **jQuery**.

## 06/2011 – 10/2012 **Senior Software Engineer**

*Client: Cambridge ESOL, United Kingdom*

- Involved in Complete SDLC (Project Estimation, Impact Analysis, Functional Specification Documents, Technical Specification Document, Class Diagrams, Module Development, Unit Testing, Functional Testing, System Testing and Warranty Support).
- Worked with clients at onsite and successfully handled the project implementation and performance issues at critical time and got client appreciation.
- Widely used Apache JMeter load testing tool and Profilers.
- Configured multi-level clustering between Apache web server and Apache Tomcat using mod proxy.
- Configured Nginx proxy server with round robin load balancing technique for performing the load testing.
- Participated in team code reviews to ensure quality.

## 09/2008 – 08/2009 **Software Engineer**

*Client: Barclays*

- Developed functional specifications and program specifications, based on documented business requirements and production support.
- Developed the complex enricher to enrich the events published in various tiers, before publishing it to the mid-tier.
- Developed the Presentation services layer and the business services layer.
- Responsible for performance of Application for the module and part of the application.
- Developed the base module using flash action script
- Designed the application using Adobe flash and made external communication using java.
- Involved in UAT and Warranty support.
- Developed the error logging mechanism using Java Classes.
- Used StarTeam for version control activities during development.

## Education

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### 08/2004 – 05/2008 **Bachelor of Engineering: Computer Science**

*Annamalai University, Chidambaram*

## Certifications

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- **LOMA 281** - principles of insurance, insurance products,
- **LOMA 291** - operations, functions, and product development basics

## Skills & Capabilities

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**Operating Systems**      Windows Server, Ubuntu, Amazon Linux

**Cloud/Virtualization Technologies**      Amazon Web Services, Docker

**Databases**      MongoDB, MySQL 5.x, Oracle 12c, PostgreSQL, Redis, Amazon Aurora

**Application Servers**      IBM WebSphere 8.5, JBOSS EAP 6 & 7, Wildfly 10.0.1

**Development**

**Web Frameworks:**  
Next.js, React, React hooks, React Redux, Angular, Angular JS

**Server-side Frameworks:**  
Nodejs, ExpressJs, Mongoose, Spring Boot, Spring Data, Spring Cloud, Spring Security

**Languages:**  
Java 8, Groovy 2.5.6, Javascript, TypeScript, Unix Shell

**AWS Services:**  
Lambda (NodeJS & Java), Cloudwatch, CloudFront, Secrets Manager, EC2, Route53, ALB, IAM, Cognito, S3, ECS

**Google Cloud Services:**  
Concourse, Container Engine, Cloud Functions, Cloud CDN

**Continuous Integration & Build Tools:**  
Jenkins, Hudson, Gradle, Maven

**Code Quality & Security Tools:**  
Codenarc, Cobertura, Findbugs, Tslint, ESLint, Veracode, OWASP, SonarQube