

Shreyas Ramnath

Email: ramnathshreyas@gmail.com | LinkedIn: [linkedin.com/shreyasramnath](https://www.linkedin.com/shreyasramnath) | Phone: (321)-616-2583

SUMMARY

Skilled Software Engineer with experience creating dynamic web applications. Team-oriented and coachable professional with the ability to implement and manage SQL and NoSQL database operations and data structures. Good grasp of Restful Web Services, JSON & GraphQL, and Service-Oriented Architecture.

EDUCATION

Florida Institute of Technology, 3.5

MS Computer Science

Aug 2016 – Jul 2018

Melbourne, FL

BMS Institute of Technology & Management, 3.0

Aug 2011–Jun 2015

Bachelor's in information science & Engineering

Bengaluru, India

SOFTWARE SKILLS

Programming Languages: JavaScript (ES5/ES6), Typescript, Java

Web and Other Technologies: HTML5, CSS3, Sass, Bootstrap, AdobeXD, Invision, React.js, Node.js, Next.js, Express.js, GraphQL, URQL, Apollo, Spring, JPA

Database and Cloud: PostgreSQL, MySQL, DynamoDB, MongoDB, Jenkins, SonarQube, Linux CLI, Docker, Kubernetes, AWS

Source Control: Git, GitHub, Bit bucket, Jira, Confluence, Swagger2.0

Certifications: AWS Developer Associate, AWS Solutions Architect Associate, Oracle Java Associate

WORK EXPERIENCE

Idexcel, Herndon VA – Full Stack Engineer

Jul 2019 - present

- Working on a **Loan Origination & Commercial Lending Software** aiding banks for Individual, Commercial, and Real Estate loan processing, part of three module development: Financial Analyzer, Underwriting, and Back Office.
- Fashioned a Spreadsheet tool using **TypeScript & React.js** which was responsive and interactive and built a pdf print and export functionality for **PEMDAS**-based account calculations for a loan entity. Used **Hooks** and **ContextAPI** state management.
- Worked on designing the wireframes, mockups, and icons using **AdobeXD** and **Invision** based on user stories and product team requirements.
- Implemented **memoization** to make state transitions more efficient in terms of re-rendering and copying using **Immutable.js** along with **React**.
- Involved in writing the CSS using **SASS**. Used **partials, mixins, and functions** to make the CSS files more functional and compact.
- Wrote **polyfills** to handle cross-browser compatibility issues in IE 7, 8, 9, and FF. Used **Lighthouse.js** for representing data visualizations.
- Developed the product support and customer help page using **Next.js** and **server-side** rendering for better performance.
- Designed microservices based on **REST** using **Node.js, Express.js**, and **PostgreSQL** database running on **AWS-RDS** service.
- Developed **Serverless Rest APIs** using **Node.js, AWS Lambda**, and **API Gateway** for loan approval workflow, and constructed File Manager APIs to upload loan documents using several **AWS** services. Used **step functions** to orchestrate the state machines for the approval workflow.
- Used **Elastic Kubernetes Service** to manage the deployment and scaling of the **independently dockerized** front-end and backend applications.
- Worked with **Jest, Enzyme, react-testing library** to write unit tests for the pages and common components of the front-end application.
- Constructed unit test cases and mock scenarios using **Mocha, Chai**, and **Cypress.io**, followed the test-driven development (TDD) process.
- Configured **CodeDeploy, CodePipeline** for the **CI/CD** process wrote **CF** templates, set up the **SonarQube** service to perform static code analysis.
- Followed **12-factor** methodology for building our product as a software-as-a-service (**SaaS**) offering our financial clients and mid-tier banks.
- Involved in entire **SDLC**, follow **SAFe Agile** working on groomed user stories, daily scrums, and regular peer code reviews and sprint demos.

Vamana Systems, Alpharetta GA – Full Stack Engineer

Oct 2018 – July 2019

- Built an **NLP chatbot** application as our client-facing product using **Typescript, React**, and **Node.js, Express.js** stack with a **DynamoDB** database.
- Design, develop and test **HTML5, CSS3, LESS** which met accessibility (**a11y**) and web browser standards for our website.
- Added optimization techniques to reduce the page size and load times to enhance user experience using **sprites**.
- Built stable **React components** and stand-alone functions to be added to any future pages. Used **React-Router** to navigate to different pages.
- Maintained global states in the stores and dispatched the actions and created multiple reducers to perform state changes using **Redux**.
- Used **middleware, redux-thunk** in application to retrieve data from the backend, and to also perform Restful services.
- Worked with **Jest** to write unit tests for the pages and common components. Configured **code-splitting** with **Webpack** to improve performance.
- Developed backend **REST** services using **Node.js, Express.js**, along with **DynamoDB** as the backend NoSQL database.
- Wrote unit test cases, mock scenarios wrote browser-based regression **automation** suites using **Mocha, Chai**, and **Cypress.io**.
- The application was containerized using **Docker** and used **Cloud Formation** templates to deploy our application to **AWS**.
- Built a search engine application for an efficient and flexible searchable scheme in the cloud, using **Elastic Search**.
- Developed the front-end using **TypeScript** and **React.js** and backend using **Java, Spring Boot, JPA**, and a SQL-based **MySQL** database.
- Wrote the schema, stored procedures, and functions **SQL** database. Configured the **Jenkins** server for continuous integration and continuous deployment process. Also developed the **DDL** and **DML, SQL-based** scripts to query the database for transaction data during quarterly audits.
- Wrote **smoke, functional** test scenarios along with **unit test** cases for the reusable component library and the individual pages in the application.
- Followed **Agile XP** methodology with weekly release cycles and constant communication with scrum masters and business owners.