

# Vamshi Gopari

UI/UX Engineer

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## Professional Summary

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- 4+ years of experience in all phases of Software Development Life Cycle (SDLC) and development of Client/Server and Web applications with experience in Financials, Space & Asset Management, and different domains.
- Proven ability to excel in fast paced development environment using latest framework and tools like **HTML, CSS, JS, React.JS**, Angular.
- Brings extensive experience as a problem solver, information technology stack, **UI** designer, **UX** researcher and possesses leadership skills in agile product and application design and development.
- Successful background as **UI/UX** Developer having worked for small and large companies in Financial, Advertising Services, IOT and CMMS integrated Asset management.
- Expert in **React.js**, and **Angular** development with a focus on optimizing performance through asynchronous data rendering using promises and async functions.
- Specialized in creating robust data export utilities in **React.js**, and **Angular** to streamline the extraction of complex datasets, enhancing data management capabilities.
- Proficient in **webpack** configuration and code splitting techniques to improve application performance by minimizing bundle sizes and accelerating load times.
- Proficient in implementing a build strategy in **React.js** that leverages environment variables to achieve efficient and scalable deployment across multiple environments.
- Experience in creating **React.js** web applications with **JSX**, **React.js** nesting components, databinding, forms, routers.
- Proficient in building dynamic and interactive web applications using **React.js**, Angular and visualizing data with Chart.js.
- Expert in developing web concepts using **wireframes** and high-fidelity prototypes, integrating user-centered design with technology and business strategy.
- Expert in conducting user research for Human-Centered Design (**HCD**), proficient in wireframing, prototyping, collaborative ideation, and iterative testing to ensure all design decisions are user-centered and aligned with business objectives.
- Conducted **contextual inquiries** to deeply understand user behaviors, needs, and motivations, informing user-centered design decisions and enhancing product usability and satisfaction.
- Proficient in designing and developing financial statements and reports using **HTML, CSS, JS, Jasper Studio**, SpringBoot, and **PostgreSQL**.
- Utilized **Git** to track maintain the different versions of the application.
- Proficiency in Software Development Life Cycle (SDLC) and Agile (Scrum) methodologies of the development process such as prototyping, proof of concept, designing, coding, testing, and implementation.
- Involved in issue tracking and agile project management using **JIRA**, and **Azure boards**.

## Certifications

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- Confluent Certified Developer for Apache Kafka (96606649).
- AWS Certified Developer Associate (LLVZW75BNJQQQ53V).
- AWS Certified Solutions Architect Associate (0M2Y5Z6B3NQQ13GX).

## Skills

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Languages:	Java, Python, TypeScript, JavaScript, HTML, and CSS.
Frameworks:	React.js, Angular, Bootstrap, SpringBoot, JUnit, Node.js.
Libraries:	Redux, jQuery, AJAX.
Databases:	PostgreSQL, MySQL, and Redis.
Version Control:	Git(GitHub, Bitbucket, Azure Repos)
Data Streaming:	Apache Kafka, Kafka Streams, KSQL, Apache Active MQ.
Other:	AWS, Figma, JasperSoft Studio.

## Education

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- George Mason University – Master of Science in Software Engineering.
- Jawaharlal Nehru Technological University – Bachelors in Computer Science & Engineering.

## Professional Experience

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### Software Engineer

August 2022 – Present

#### Ivis International Pvt Ltd

Remote

- Engineered a multi-threaded system in SpringBoot for efficient Redis data retrieval and utilized **JavaScript** and **React.JS** to visualize 30k+ geographic coordinates on Google Maps.
- Implemented a ticket scheduling algorithm for e-surveillance operations with meticulous attention to detail, and visualized it on Google Maps using **React.js** for intuitive geographical representation.
- Created reusable components using **React.js** for DOM manipulation, such as focus inputs and click outside components, to improve user interaction.
- Enhanced web page aesthetics and usability by integrating Bootstrap with **React.js**, applying responsive design principles and modern UI components.
- Implemented **React-Router** to transform applications into single-page applications (SPAs), optimizing navigation and improving user interface responsiveness.
- Implemented asynchronous data rendering in **React.js** using promises and async functions to ensure responsive and efficient presentation of large datasets on application views.
- Subject matter expert in creating user surveys for **UX HCD** (Human-Centered Design) research initiatives, leveraging expertise to gather actionable insights and enhance user experience strategies.
- Idea collaboration using **Figma** to design and developed comprehensive dashboard displaying site, customer, unit, device, and ticket metrics and information using **React.js**.
- Conducted **Contextual Inquiry** to understand the user behavior and needs while performing task to change the design and workflow of the web application.
- Designed responsive design mobile/web UI using **Figma** for Progressive Web Apps on mobile and web platforms, based on wireframe and user journey research.
- Conducted unit testing using **Jest** to validate **React.js** frontend code functionality and ensure high software quality standards.

### Software Engineer

January 2020 – July 2022

#### Motivity Labs Inc

Hyderabad, India

*Project: Intelligent401k*

**Role: Full Stack Engineer**

- Designed and developed financial statements for retirement account holders using **HTML, CSS, JS**, Jasper Studio, SpringBoot and PostgreSQL.
- Automated the delivery of **HTML, CSS, JS** based retirement account statements and reports via scheduled emails using Amazon SES, ensuring timely and professional client communication.
- Crafted a dynamic webpage for displaying comprehensive reports and financial statements utilizing **Angular** and **TypeScript**, ensuring an intuitive and engaging user experience.
- Developed an interactive webpage for creating and managing promocodes within the Stripe Payment system using **React.js**, enhancing user control and flexibility.
- Designed and built a webpage using **Figma** and **Angular** to display payment plans from the Stripe Payment Gateway, tailored to client needs for a seamless user experience.
- Created a Stripe Payment Gateway integrated API endpoint to send visually engaging payment receipt emails with custom **HTML, CSS, & JS** templates, enhancing user experience.
- Engineered and implemented Single Sign-On(SSO) utility for web applications using AWS Cognito Using **Angular, Node.js**, and JSON Web Token (JWT).
- Set up automated financial statement generation and delivery using Amazon Lambda, EventBridge, and AWS SES.

- Enhanced security by implementing Multi-Factor Authentication with mobile OTP verification using AWS Cognito, **Angular**, and **Node.js**.
- Integrated the Yodlee API to seamlessly fetch and aggregate financial data, displaying it with interactive visualizations using **Angular**, and **Chart.js**.
- Implemented an asynchronous feature in **Angular**, and **React.js** to export retirement account holdings into Excel sheets using JS libraries such as **xlsx**, ensuring seamless data handling.
- Developed a RESTful API endpoint and configured it to automatically refresh all users' retirement account data from Yodlee on a daily basis.
- Collaborated with team members to build secure, scalable software products under Agile.
- Develop, oversee bug reports, conduct code reviews, and ensure effective team communication.

### ***Project: DigitalReef***

#### **Role: Full Stack Engineer**

- Developed a **React.js** based user interface to showcase ads and monitor customer interaction metrics, enhancing user engagement through personalized ad recommendations based on user behavior.
- Established real-time data pipelines by integrating **React.js** frontend activities with Kafka via APIs, enabling seamless processing and analytics of user interactions.
- Engineered reusable **React.js** components such as focus inputs and click-outside detectors, optimizing DOM manipulation and reducing development timelines by 25% across diverse projects.
- Developed responsive and cross-browser compatible UI components using **HTML**, **Bootstrap**, **CSS**, **JS**, and **React.js** to deliver consistent user experiences across various devices.
- Leveraged Apache Kafka to capture real-time user web activity, including video impressions and engagement metrics, to dynamically enhance ad targeting and user engagement from the **React.js** application.
- Implemented webpack with code splitting in **React.js** to minimize bundle size and optimize load times.
- Implemented Redis to accelerate the retrieval of ad data, significantly enhancing system performance and improving user experience.
- Used Service Locator Design Pattern to differentiate ads service among multiple mobile carriers.
- Configured multiple Redis clusters in AWS to ensure high availability, optimizing data storage and retrieval for enhanced system reliability and performance.
- Conducted performance optimizations and code refactoring to improve code readability, maintainability, and scalability.

### ***Project: Helixsense***

#### **Role: UI/UX Developer**

- Implemented asynchronous data rendering to tables using promises and async functions in **React.js**.
- Developed a reusable data export utility in **React.js** for efficient export of employee details, bookings, and other datasets from tables, enhancing application data management.
- Optimized main.js file size by implementing lazy loading in index.jsx to dynamically load app.js, optimizing the load time in **React.js** application.
- Configured webpack with code splitting techniques to improve performance by reducing bundle sizes and speeding up application load times in a **React.js** application.
- Employed Purgecss Plugin in **React.js** application to remove unused CSS classes, optimizing stylesheet sizes and improving application performance.
- Implemented a build once, deploy many strategy in **React.js** by leveraging environment variables, ensuring efficient and consistent deployment across different environments.