RAVI JETANI
(Full-Stack Engineer)

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Summary:

- Full Stack Developer with 5+ years of experience in software engineering and SaaS development.
- Expertise in a wide range of technologies and frameworks including NodeJs, ExpressJs, React, AWS Lambda, AWS API Gateway, MongoDB, and MySQL.
- Proficient in AWS technologies including Lambda, DynamoDB, SQS, SNS, AWS Cognito, AWS S3 and cloud Front.
- Strong analytical mindset, troubleshooting skills, and excellent communication and leadership abilities.
- Skilled in web development using React, HTML5, CSS3, and JavaScript.
- Experienced in successfully deploying and managing web applications using React, NodeJS, Express and mongoDB.
- Quick learner with the ability to understand complex business process logic and adapt to new technology as required.
- Quick learning skills and understanding any Business Process Logic and in adapting new technology as required.

SKILLS

Expertise Area	NodeJS, React, ExpressJS, MongoDB, PostgreSQL, AWS Lambda, AWS cloud services, Data Structure And Algorithm.
Programming Language	JavaScript, Typescript
Web Technologies and frameworks	NodeJS, ExpressJS, NestJS, React, Redux, socket.io, Redis
Database	MongoDB, MYSQL, PostgreSQL.
Cloud Services	AWS Lambda, AWS EC2, API Gateway, SNS,SQS, AWS S3, , IAM
Operating Systems	MacOS, Ubuntu
Versioning control	Git
Technical Electives	Analysis and Design of Algorithm, Data Structure, Software Design Pattern.

PROJECTS

(1) CertifyOS
(Live Healthcare Digital Product- USA) - Senior full-stack developer (Remote)
Duration : 7 month   **Team size**: 12

- Certifyos-platform facilitates the optimization of monitoring, credentialing, licensing, and enrollment processes for hospitals and medical institutions. By utilizing data from over eight distinct sources, it provides up-to-date information on various aspects such as credentialing, provider insurance, malpractice insurance, state licenses, and board-certifications. The platform's workflow automation feature expedites the decision-making and credentialing process, allowing staff to quickly process and finalize applications.

Roles & Responsibilities
- Developing a monitoring and credentialing workflow to ensure that the platform operates efficiently and in compliance with regulatory requirements.
- Optimizing existing features and APIs to improve the performance and usability of the platform.
- Building Restful APIs for the User, Organization, Monitoring-workflow, and Credentialing-workflow modules, allowing for seamless integration and communication between these modules.
- Integrating third-party APIs and libraries such as SAM, NPDB, CAQH, Proview, OIG, MOO, and FSMB to extend the functionality of the platform.
- Defining the technical architecture for the platform to ensure scalability, maintainability, and security.
- Developing an authentication and authorization module for various user roles to ensure that only authorized users can access sensitive information and functionalities.
- Designing a database schema and data-lake to store and manage data efficiently and securely.

Tech. stack – NodeJS, NestJS, React, typescript, MongoDB, BigQuery, Google Cloud functions, Pub-sub, IAM

(2) Virtual Healthcare platform (ONRx)
(Telemedicine healthcare SaaS - Canada),- Senior software engineer (Remote)
Duration : 8 months   **Team size**: 7

The project focused on developing the ONRx platform. It is a virtual healthcare platform that enables doctors and patients to connect virtually via video conferencing

Roles & Responsibilities
- Developed medical appointment scheduler for doctors and patients.
- Implemented video/ audio conferencing solutions.
- Developed an instant walk-in call feature that allows patients to generate walk-in call requests without any prior appointment.
- Developed features group calling, VoIP calling via Twilio.
- Developed features for a prescription fill-up and past prescription history and doctor notes/ patient notes.
- Developed features to showcase appointment history, health history, call history and virtual events management.
- Worked on the technical feasibility test for video/ audio conferencing solutions
- Added HIPPA COMPLIANCE support

Developed features for Doctors to generate set of questions in health history form.
- Developed and maintained dynamic questionaries and dynamic health history fields in the health history module.
- Implemented Semaphore algorithm to allow more than one doctor to attend the walk-in call

Tech. stack – NodeJS, ExpressJS, React, Redux, Socket.IO, typescript, DynamoDB, AWS Lambda, API Gateway, AWS Cognito, MediaSoup, Twilio

(3) Rogers RPA

(RPA Solutions for Rogers Network - Canada) – Senior Back-end engineer (Remote contract)
Duration : 6 months   **Team size**: 4

The Rogers RPA project was developed with the goal of creating a robotics process automation dashboard that allows users to execute various networking commands, monitor real-time logs and errors, and parse output logs from the terminal. The script is also capable of applying business validation rules to determine whether each networking command was executed successfully or not, providing a final output with the results of the process.

Roles & Responsibilities

- Developed Restful APIs using NodeJS and ExpressJS.
- Developed Authorization, authentication using NodeJS and ExpressJS.
- Developed and integrated web component in the system.
- Involved in communicating with clients, providing a weekly status report
- Prepared sequence diagram, technical flow and a component diagram for a proposed solution.
- Involved in setting up the web app and server architecture.
- Prepared technical documentation for the system
- Parsed the key data using NPM packages and extracted key information using Regex

Tech. Stack – NodeJS, ExpressJS, ReactJS, Redux, JavaScript, MySQL, AWS EC2, Socket.IO.

(4) ZEUS portal

(Sports events booking platform – Los Angeles, USA) - Senior Software Engineer (Remote)
Duration : 14 months   **Team size**: 24

The project focused on developing a booking platform for prestigious sports events like Olympics, US OPEN, Wimbledon and IPL.

Roles & Responsibilities

- Developed events, Venue, Program, Package, offer, login modules .
- Developed Restful APIs for customers, program, packages, offer and experience module.
- Set up custom authorizer for a multi-tenant system.
- Set up AWS Cognito for a multi-tenant system.
- Develop Data warehouse architecture and application architecture.

- Work on AWS Glue job and Python script to collect customer data through Google Tag Manager/Salesforce.
- Integrate Salesforce via platform events and Google Analytics integration.
- Participate in backlog grooming and sprint planning.
- Process large-scale data using Glue Job and AWS Kinesis Data Streams for Salesforce platform events

Tech. stack – NodeJS, Typescript, React, AWS Lambda, PostgreSQL, SequelizeJS , AWS API Gateway, AWS Cognito, AWS RDS, AWS S3, Nginx.

(5) Genus connect

(Caregiver & Hospitality platform – Michigan, Canada) – Software Engineer
Duration : 16 months   **Team size**: 6

The project focused on developing the Genus Connect app. It is a health care app that helps people to record and share doctor voice instructions, medicines, reports.

Roles & Responsibilities

- Involved in writing and integrating serverless function
- Integrated web services with Ionic and Angular components
- Worked on the defect fixing and prepared documentation for flow.
- Involved in communicating with clients, providing the weekly status reports
- Involved in writing technical documentation and defining tech, architecture for the system.
- Worked on the backlog grooming and sprint planning.

Tech. stack - Angular 4+, IONIC 4, AWS Lambda, SNS, DynamoDB, AWS API Gateway, AWS S3 bucket, AWS Cognito

(6) Kroger Grocery chain (Live Products) – USA

(Smart App for Google Home/Amazon Alexa)
Duration : 16 months   **Team size**: 6

Voice assistant for Kroger grocery chain (Google assistant, Google Home, Amazon Alexa).
Module Developed -   Add product over cart, Remove product over voice, Search product, Rollback product, Add multiple product, substitute product with other product.

Roles & Responsibilities

- Developed modules for adding and removing products from the cart, searching for products, and rolling back products as part of a project focused on developing a voice assistant for the Kroger grocery chain.
- Developed modules for adding multiple products and substituting products with other products to enhance the functionality of the voice assistant.
- Wrote code for both the front-end and back-end of the system to ensure seamless communication between the user and the voice assistant.
- Designed and integrated the admin panel of the system to enable easy management of the voice assistant's functionalities.

- Utilized technologies such as Amazon Alexa, Action on Google, DialogFlow, AWS Lambda, NodeJS, and ExpressJS to improve the overall functionality and performance of the voice assistant.

Tech. stack - Amazon Alexa, Action on google, DialogFlow, NodeJS, ExpressJS, MongoDB.

(7) ZOHO Business Bot – India (with Human intervention)

AI enabled customer support portal. I have developed support portal bot for ZOHO Business which answer FAQ questions apart from this bot can hand over ongoing conversation to Human being on consecutive two fallbacks. Apart from this admin can access various chat related analytics and reports using chat base.

Roles & Responsibilities

- Contributed to the integration of the AI-enabled chatbot with the support system in a project focused on developing the Zoho support CRM.
- Participated in the integration of Google Dialogflow for the chatbot widget to improve its functionality.
- Created intents and entities for customers to enhance the chatbot's ability to answer queries, technical questions, and FAQ.
- Developed the Dialogflow webhook integration to enable the chatbot to communicate effectively with customers.
- Developed the human intervention support feature for the chatbot to ensure seamless customer service.
- Utilized various technologies, including Action on Google, Dialog Flow, NodeJS, Socket.IO, Angular 5, to improve the overall functionality of the chatbot.

Tech. stack - ActionOnGoogle, DialogFlow, Node.JS, Socket.IO.

Experience

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(1) Sr. Full-stack Engineer - CertifyOS -USA (Remote Contract)   **July 2022 To Jan, 2023**

Certifyos is a healthcare startup based in the USA that aims to provide solutions for hospitals and medical institutes to streamline their monitoring, credentialing, licensing, and enrollment processes. With its cutting-edge technology and expertise, Certifyos offers a platform that helps medical institutions to operate efficiently, while ensuring compliance with regulatory requirements. The company's mission is to facilitate the delivery of quality healthcare services by enabling medical institutions to focus on their core activities while taking care of the administrative burden.

(2) Sr. Software Engineer - eDelta Enterprise Solutions Pvt Ltd   **Oct 2019 To May 2022**

   eDelta Enterprise Solutions Pvt Ltd is an IT services company based in India. The company provides various services including cloud services, web and mobile application development, enterprise consultation, and digital product engineering.

(3) MERNStack developer - RapidOps Solutions Pvt. Ltd.   **Nov 2018 To Oct 2019**

   Rapidops Inc. is a technology, transformation, and analytics company. Rapidops helps clients design, engineer, and launch advanced digital products and platforms.

(4) Software Engineer   -   OpsHub technologies Inc**.**   **Nov -2017 To Oct-2018**

   - Design and Development of features and scalable solutions in the products of OpsHub.
   - End-to-End deployment of the product by modelling their use-cases and requirements according to product capabilities and configuring product in their environment and ensuring on-time delivery of their requirement.

EDUCATION

Degree	University/Institute	Year
Msc.IT (Master Degree)	Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, Gujarat	2015 -2017
Bachelor of Computer Application	Maharaja Krishnakumarsinhji Bhavnagar University-GUJARAT	2011 -2014
Intermediate/+2	Shree Gambhirsinhji Highschool, GSEB-Gujarat	2009 – 2011

Interests and Hobbies

   Learning cutting edge Technology.

   Playing Cricket .

   Reading Article.

Attending tech events.

Puzzle solving.

Participating in coding competition .

Travelling.