VEDANT RAJAY BHOJ

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WORK EXPERIENCE

Associate Software Engineer   **Health Level Inc. –** Mountain View, CA   July 2020 - Present
- Full Stack engineering on the data analytics platform to design and implement software and data analysis modules to answer business questions, with a focus on user experience.

Software Engineer Intern   **Health Level Inc. –** Mountain View, CA   May 2019 - Dec 2019
- Developed on HIPAA compliant distributed web and mobile based data analytics platform for hospitals across the US.
- Implemented an encrypted deep link URL generation module for easy sharing of reports across authorized users.
- Created an insightful report UI to convey results of data analysis to stakeholders to support business decisions, thereby increasing the forecasted revenue by 30%.

Programmer Analyst   **Cognizant Technology Solutions –** Pune, India   Sept 2015 - May 2018
- Developed and maintained scalable web applications for Corporate and Physical Security teams in India and United States.
- Wrote stored procedures in SQL to integrate back-end web services used by upstream and downstream web applications.
- Won hackathon to enhance code quality and security using CAST Engineering dashboard.

Web Developer Assistant   **San Jose State University –** San Jose, CA   Jan 2019 – May 2020
• Migrating, designing, and overhauling university departmental websites to support new responsive design.
• Designed, developed, and maintained campus website. Revamped web pages to improve navigation for staff and students.

EDUCATION

Master of Science - Computer Engineering (GPA – 3.64/4.00)   Aug 2018 - May 2020
San Jose State University, United States

Bachelor of Engineering - Electronics and Telecommunication (GPA – 3.70/4.00)   Aug 2011 - May 2015
Savitribai Phule Pune University, India

PROJECTS

Cloud based Smart Clinical Report
Developed a responsive visualization frontend report and a Node.js project to export as PDF using puppeteer library for Headless Chrome using API tokens. Wrote stored procedures in SQL and API's to fetch latest clinical information into this report.

Smart Card Access Management System
Interfaced APIs with front-end to handle multiple access requests based on facility which drastically reduced the processing time and SLA ticket volume by 70%. Used AppDynamics to monitor the web application requests and improve overall efficiency.

Spam Reporting Tool
Implemented a data visualization dashboard with graphs using Canvas JS to categorize spams based on various trends. Added functionality to send out notifications to the CSIRT team and security groups using LDAP.

Cyber Security Incident Reporting Tool
Developed UI dashboards for user and team management using LDAP groups. Integrated the ECM server for storing and retrieving the evidence files. Implemented a Batch Job to send two-way automated mails at specific time intervals.

Blockchain based Vehicle Service Management System (Research)
End to end Car Management with service prediction using MERN stack. Blockchain and Data Analytics to improve security and efficiency. Ethereum is being used for security and decentralized platform for implementing Blockchain.

The Pandemic Chronicles – Web Application & Data Visualization
Developed a full stack application to explore, compare and visualize data of previous and the current pandemic. Implemented live charts using charting libraries like Google Charts etc. Created a pipeline to consume, clean, remodel the data from an API provider.

Cross Domain Enterprise Online Marketplace
Developed a marketplace with easy checkout, search, reviews, email notifications and Google, Facebook sign-in integration.

Azure to AWS - Edge Device transfer utility for ETL data pipeline
Automated the task of transferring the customer data by setting up the edge device in hospital servers.
Built a windows service to load files from Azure file share and upload to Amazon S3 thereby improving efficiency by 80%.

SKILLS

Programming: JavaScript, TypeScript, C#, JAVA, Python   **Databases:** MySQL, Microsoft SQL Server, MongoDB
Versioning / Deployment: Git, JIRA, Confluence, CI/CD   **Cloud:** Amazon Web Services, Microsoft Azure
Services / Tools: IIS, LDAP, Postman, Fiddler, AppDynamics APM, Google Analytics, Extract Transform Load (ETL)
Web Technologies: HTML, CSS, jQuery, AngularJS, ReactJS, Node.js, Express.js, Ionic, MVC, Distributed systems, AJAX, JSON, XML