

Venkata Sai Madhav Kaza

FULL STACK WEB DEVELOPER

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Location: Mount Pleasant, MI

Professional Summary

- Dedicated and efficient full stack developer with 3+ years' experience in application layers, presentation layers, and databases. Certified in both Front-end and Back-end technologies
- Hands-on experience in working with HTML, XHTML, CSS/SASS, JSX, JavaScript/jQuery, and JSON.
- Excellent skills in React with Redux, Thunk, Jest/Enzyme development, custom API Development.
- Good Database experience with the following: MS SQL, MySQL, NoSQL, Postgres, MongoDB
- Significant Experience with frameworks: Bootstrap, React.
- Experience building fast and scalable RESTful APIs and experience crafting microservices design & Implementation.
- Hands on experience with source control tools such as Git and GitHub.
- Familiarity with SDLC methodologies (Agile)
- Background of coding in an Agile, Scrum work environment.
- Understand Highly Available, MVC, Cloud-based Services and Architectures.
- Ability to understand, document and communicate technical design, best practices, toolsets, and solutions.
- Knows how to work with AWS (API G, Lambda, Cognito).
- Solid grasp of Spring Boot, Spring, Serverless Computing & SEO – Algorithm Knowledge.
- Experience developing on Windows and Linux.
- Experienced working in Excel and MS Office products.
- Strong work ethic and innate ability to adapt in ever changing and challenging environment.
- Education and experience in comprehensive problem solving, creative troubleshooting, and complex project management.
- Accomplished with effective collaboration skills, team-building capabilities, and leadership in diverse and multifaceted operations.
- Ability to multi-task and prioritize under pressure.
- Ability to work independently with minimal supervision as well as in a team environment.
- Outstanding oral and written communication skills with the ability to work effectively with a diverse range of users with varying technical abilities.

- Strong organizational, task-management and prioritization skills.

Technical Skills

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|-------------------------|--|
| Front-End | JavaScript, HTML, XHTML, CSS/SASS, JSX, jQuery, Node.js |
| Back-End | Java, Thunk, Saga, Rest API, MySQL, MongoDB, NoSQL, Postgres, MVC, JSON |
| Source Control | Jenkins, Git, GitHub, Agile, SCRUM |
| Frameworks | Bootstrap, React with Redux |
| Operating System | Windows, Linux, Mac |
| Others | GraphQL (Apollo 1/2/3) Client Server, Jest/Enzyme, AWS (API G, Lambda, Cognito), SpringBoot, Spring, Custom API Development, Serverless Computing, SEO – Algorithm Knowledge |

Work Experience

Graduate Assistant

Central Michigan University (Mt Pleasant, MI)

Aug 2020 – Aug 2021

Responsibilities:

- Designing and developing web applications using technologies that include: Java, JavaScript, CSS, MySQL, MongoDB, and React.
- Improved 5% performance of students by organizing content of courses such as Principles of Computer Programming and Data Structures & Algorithms
- Conducted Information Sessions for 100 Undergraduate Students of Department of Computer Science
- Graded Homework, Labs and Quizzes for 100 Undergraduate Students
- Effectively designing, deploying, and integrating high-profile databases using MS SQL, MySQL.
- Previous work with relational DBs and NoSQL databases (MongoDB, Cassandra) Other helpful skills/experience
- Designed and developed custom Mongo DB applications specific to clients' needs.
- Redesigned and re-implemented services using NGINX, Node JS, Express JS, Mongo DB, and MySQL

Tools and Environments: HTML, Java, JavaScript, CSS, MySQL, MongoDB, React, MS SQL, Node JS, NGINX, Express JS

Full Stack Web Developer

Trigent (India)

Jan 2017 – December 2019

Responsibilities:

- Designed Algorithm for the working of BLAST device on the OTOSense Cloud Network using Jenkins
- Achieved an output of 115200 BAUD for a throughput of 543.57 Kbps for a stability of 20 hours
- Worked simultaneously in both production and development teams and took part in designing and developing dynamic web pages using HTML, CSS3, Bootstrap, SASS, Javascript, jQuery, React for single page applications
- Worked with AWS (Amazon Web Services) Elastic Beanstalk like EC2, SQS, S3, ElasticSearch and Elastic Load balancer
- Implemented a Continuous Delivery Pipeline with Jenkins and GitHub
- Effectively designing, deploying, and integrating high-profile databases using MS SQL, MySQL.

- Successfully writing Node modules to handle survey logic.
- Collaborating with a diverse and cross-functional team to deliver projects in a timely manner, streamline operations, and keep communication fluid.
- Conducted testing and review of website design for responsiveness, clarity, and effectiveness.
- Ensured proper receiving and posting of data to the database using REST API.
- Building reusable components and front-end libraries for future use.
- Writing exceptional code using MVC platforms with developer expertise in both front end (JavaScript/HTML5/CSS3) and back end (Node js) development.
- Helping my team with CMS development with WordPress.
- Performing comprehensive unit testing on complex code and developed a dynamic and interactive website using Bootstrap ensuring high traffic, page views, and user experience resulting in a 20% increase in sales revenue.
- Collaborating with other developers on group projects and established a project workflow using GitHub.
- Redesigned and re-implemented services using NGINX, Node JS, Express JS, Mongo DB, and MySQL
- Involved in SDLC of applications developed using AGILE methodology.
- Working with test-driven development (TDD), good understanding of test practices and experiences with the implementation of automated tests.
- Used Excel spreadsheets to organize and analyze client collection reports and used this data to identify specific lapses or downward trends in collections and then resolved these issues to maximize reimbursements.

Tools and Environments: HTML, JavaScript, CSS, MS SQL, MongoDB, React, Redux, Redux Thunk, Postman, MySQL, Rest API, Bootstrap, GitHub, SDLC, Agile.

Professional and Personal Projects

Portfolio

- Designed a portfolio based on Front-End Technologies and deployed on GitHub based on Back-End Technology
- Used HTML, CSS, Javascript on Front-End and Django, Java on Back-End
- TECH STACK: HTML, CSS, Javascript, Git

Web Application for COVID-19 Cases Prediction using Prophet

- Build a website on COVID-19 cases prediction using prophet algorithm with UI based on HTML, CSS, Javascript on front-end and Django in back-end
- Achieved an accuracy of 95% + for 80% test split data from the dataset downloaded from Covid-Tracking Project conducted by US Officials
- TECH STACK: HTML, CSS, JavaScript, Prophet (Machine Learning), Django, Python, Git

Credit Card Fraud Detection using AWS Sagemaker and S3

- Developed an algorithm for Credit Card Fraud Detection using Naïve Bayes and Random Forest approaches
- The imbalanced dataset is made balanced by randomly choosing the 50-50 split of data from given fraud cases versus genuine transaction
- The Naïve Bayes resulted in 90.46% accuracy for the split test data of 60%
- The Random Forest resulted in 99% accuracy for the overall imbalanced dataset
- TECH STACK: AWS Sagemaker, S3, Python, Machine Learning Algorithms, Git

Web Application for Client Puzzles for resolution of flooding attack

- Built a website for generation of client puzzles to increase the accuracy for resolution of DDOS attack from 85 percent to 91 percent
 - Designed website consists of Naive-Bayes Algorithm for detecting the accuracy with 85%
 - Developed the application with an extra layer of security to get the DDOS prediction from the IP by 6 percent increase by eliminating the False Negative Rates
 - TECH STACK: HTML, CSS, JavaScript, Naïve Bayes, Django, Python, Git
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Education

Highest Degree

- Master of Science in Computer Science (Ongoing), Central Michigan University, MI – Aug 2021
- Bachelor of Engineering in ECE, BITS Pilani, India – May 2018.

Certification

- AWS Certified Developer - Associate