

Vineeth Hamilpur

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SUMMARY

- Experienced Software Engineer with a strong foundation in Java, Spring Boot, React, and experience in AWS cloud services, I bring 2 years of expertise in end-to-end web development
- My skills include crafting intuitive data insights dashboards using React.js, seamlessly integrating analytics data into compelling D3.js charts.
- Proficient in Scrum methodologies, I have successfully contributed to the implementation of A/B testing experiments and the establishment of robust CI/CD pipelines using Azure DevOps.
- Committed to innovation and continuous learning and dedicated to delivering impactful web experiences that surpass customer expectations and drive user satisfaction.

SKILLS

- **Programming Languages:** Java, JavaScript, Python, R Programming.
- **Web Technologies:** Spring Boot, ReactJS, Express, Node.js, HTML5, CSS3.
- **Databases:** MongoDB, SQL, PostgreSQL.
- **Other tools/technologies:** Azure, AWS, Docker, GIT, Postman, VSCode, Github.
- **Methodologies:** Agile, Scrum.

EXPERIENCE

Software Engineer

Kantar

Feb 2021 – Jul 2022

Bangalore, India

- Developed a dynamic and intuitive marketing data insights dashboard using React.js, enhancing real-time analytics.
- Achieved a 25% increase in user engagement by implementing interactive D3.js charts seamlessly integrated with analytics data, delivering visually compelling insights.
- Streamlined project interface by integrating REST APIs, resulting in a 40% reduction in data processing time and enhancing overall system performance and efficiency.
- Built a web service layer using Spring Boot to render data from a SQL server to the front-end UI layer, improving data retrieval efficiency by 30% and ensuring seamless integration.
- Designed and implemented A/B testing experiments to assess the impact on key performance metrics, including sales, click-through rates, and customer engagement.
- Collaborated with the team to establish a robust CI/CD pipeline using Azure DevOps, ensuring seamless integration, automated testing, and continuous deployment of applications.
- Contributed to efficient project execution by employing Agile methodologies within the team, consistently delivering positive outcomes.

Web Developer Intern

Team 4 Progress Technologies

May 2019 – Jul 2019

New Delhi, India

- Collaborated with the development team to design and implement a user-friendly web interface for the automated posting application using HTML, CSS, and React.js.
- Integrated with various social media platforms' APIs including Facebook and Twitter to facilitate automated posting.
- Implemented user authentication and authorization using JWT (JSON Web Tokens) and API keys to secure user access to the auto posting platform.
- Assisted in writing detailed documentation, including API integration guides and user manuals, to facilitate seamless onboarding of new users.

EDUCATION

Master of Science in Software Engineering | Aug 2022 - May 2024

San Jose State University

Bachelor of Technology in Information Technology | Aug 2016 - May 2020

National Institute of Technology Durgapur.

ACADEMIC PROJECTS

Vitality Fitness app (Node.js, React, Firebase, Open AI) [GitHub Repo](#)

- Participated in a hackathon to pioneer the Vitality Fitness app, integrating cutting-edge AI for personalized workout plans, adaptive challenges, and real-time progress tracking.
- Integrated application with Open AI LLM to interact with our application to generate dietary and fitness plans.

Applying Machine Learning and Crowdsourcing in Utility Management Services (Flutter, Spring Boot, MySQL, Docker, AWS, Python, FastAPI) [GitHub Repo](#)

- Developed a comprehensive, cloud-based automation system designed for non-smart meters, utilizing YOLOv4, a deep learning-based image recognition technique.
- Implemented a seamless YOLOv8 retraining pipeline using AWS S3, Lambda, EC2, and ClearML for efficient model refinement and deployment.

Cloud-based IOT and Smart Meter management System (ReactJS, Redux, Express, MongoDB, MySQL, AWS) [GitHub Repo](#)

- Developed a dashboard that can be utilized by admin and users at various organizations to monitor, view and control various devices connected to the cloud.
- This project provides users the ability to manage various IOT devices, view generated bills, and monitor their usage.

Health club Membership Management (React, Spring Boot, MySQL, AWS - Load balancer, EC2, RDS, S3) [GitHub Repo](#)

- Used React, Spring Boot, MySQL, and AWS services to create a web-based health club application. Worked with a 3-person team while utilizing Agile project management techniques to complete the project on schedule.
- Users can view, book classes, and track activities across multiple locations, while gym admins can manage members, enroll new ones, and access analytics.
- AWS - Load Balancer, EC2, RDS, and S3 were used for scalability, high availability, and for data storage.