

Mohamed Sahim

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MOHAMED SAHIM
Dubai, UAE
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I am a driven Software Engineer with over a year of professional experience, specializing in full-stack web development, data-driven analytics, and AI solutions. Proficient in Python, HTML, CSS, SQL, Azure Cloud, and NLP, AI with strong skills in Git, GitLab, and CI/CD processes. I excel at turning complex challenges into practical solutions and am ready to contribute to and grow with a dynamic team.

Experience

- **Data Scientist Intern** *December 2022 - February 2023*
Menmozhi Technologies, India
- **Software Engineer** *March 2023 - April 2024*
Workiy Technology, Chennai, TamilNadu, India
- **Web Developer** *May 2024 - July 2024*
Freelancer
- **Software Developer** *July 2024 - December 2024*
Yaz Groups, India

Experience Summary:

- Having a 2+ years of experience in Developing and supporting in various applications
- Experience with **Python, (NLP, AI, ML), HTML, CSS, Drupal, WordPress.**
- Utilized strong understanding of Azure fundamentals to diagnose and resolve technical issues or escalate to appropriate teams when necessary.
- Proficient in Azure technologies such as **Azure Fundamentals (AZ-900).**
- Experience in categorizing, prioritizing, diagnosing, and escalating incidents as appropriate.
- Proficient in leveraging Azure's PaaS offerings to build, deploy, and manage applications without the complexity of infrastructure management.
- Have a good Knowledge in **Azure SQL Database, ADB, ADF** and more.
- Have a good Knowledge in developing RESTful APIs with a focus on security, scalability, and maintainability, using **Python.**
- Proven expertise in leveraging CI/CD pipelines to automate the build, test, and deployment stages, significantly improving development workflows and accelerating product delivery.
- Provided first-line technical support and troubleshooting assistance for Azure cloud services to ensure smooth operations for clients.
- Recognized for exceptional customer service skills and received positive feedback from end-users for problem-solving abilities.
- Good Exposure to **Agile Methodology**, Involved in Scrum meetings, Daily Status meetings.
- Effective communication, interpersonal and team working skills, continual drive to learn new tools a technologies.
- Have a good Knowledge in **CI/CD pipelines.**

Projects

- 1.) **Project Name** : Jevitty, Canada
Role : Backend Developer

Description:

Jevitty is a unique mobile app that combines science and data to project human life expectancy. Our aim is to provide actionable insights to help users live longer and healthier lives. The Jevitty score, which ranges from 0 to 200, reflects an individual's health potential. We follow a holistic actuarial approach, considering both health data and external factors that may impact lifespan.

Tools & Languages used: Python, PostgreSQL, GCP, JIRA, GITLAB, React, Node.js

Roles & Responsibilities:

- Served as a backend developer for Project Jevitty, utilizing Python, React, TypeScript, PostgreSQL, and Google Cloud Platform (GCP) to build and maintain robust application functionalities.
- Developed and integrated SMTP mail functionalities to automate the delivery of scan expiry notifications to users, enhancing communication and user experience by providing timely updates.
- Actively participated in Agile development cycles, including daily scrum meetings and regular sprint reviews, to continuously adapt and enhance project workflows.
- Provided first-level technical support by addressing and resolving tickets raised by users in a timely manner, ensuring user satisfaction and smooth operation of the application.
- Specialized in the body composition (bodycomp) module, analyzing and resolving issues where user scans were not displaying correctly on the mobile app. Implemented fixes and enhancements to improve visibility and functionality.
- Collaborated closely with the frontend and support teams to troubleshoot and solve complex issues, enhancing app reliability and user experience.
- Created detailed documentation of troubleshooting methods and resolutions, contributing to a growing knowledge base to assist both users and developers.
- Utilized a strong understanding of cloud services (GCP) and databases (PostgreSQL) to implement and refine application features effectively.
- Engaged in continuous learning and application of new technologies to improve the performance and scalability of backend services.
- Improved internal communication and problem-solving strategies within the team by providing clear updates on issues and progress during status meetings.
- Proactively oversaw and maintained CI/CD pipelines to facilitate smooth delivery operations.
- Documented all support procedures, issue resolutions, and troubleshooting steps, contributing to a robust knowledge base that facilitated efficient problem-solving for the support team.

2.) Project Name : Fountain of Health, Canada

Role : Web Developer

Description:

As web developer for the Fountain of Health project, skillfully managed a thorough transition from Drupal 7 to Drupal 10. This involved seamlessly combining four individual websites into two integrated web applications and two independent web sites. The primary goal of this significant overhaul was to elevate user experience, optimize site performance, and simplify content management.. The primary goal of this significant overhaul was to elevate user experience, optimize site performance, and simplify content management.

Tools & Languages used: Drupal, HTML, CSS, JS SQL, Filezilla, Jira, Azure

Roles & Responsibilities:

- Developed the Fountain of Health project, a health monitoring and analytics platform aimed at enhancing user well-being, by utilizing my technical expertise to create a robust and efficient system.
- Performed regular code reviews, promptly identified and rectified bugs, and optimized system performance to maintain a high-quality, efficient product.
- Documented all support procedures, issue resolutions, and troubleshooting steps, contributing to a robust knowledge base that facilitated efficient problem-solving for the support team.

- Designed engaging web pages and crafted intuitive views using Drupal, focusing on creating an attractive and user-friendly website.
- Regularly updated created, and Designed content on the Drupal platform, ensuring information was current and engaging, while managing content types, taxonomies, and views specific to project requirements.
- Configured and managed web hosting and server setups, ensuring high availability and performance of the platform.
- Employed Agile methodologies throughout the project lifecycle, enhancing team collaboration and project adaptability.
- Utilized Jira for project management, tracking tasks and bugs efficiently to meet project timelines and objectives.

3.) **Project Name : Statement of Work Automation** **Role : Python & NLP Engineer**

Description:

Developed a web-based document summarization tool using Flask for backend connectivity, allowing users to upload DOCX files which are then converted to TXT format for processing. Implemented regular expressions to extract key fields from documents, which were then analyzed and summarized by transformer models to provide concise insights. Designed the user interface with HTML and CSS, featuring a dedicated page for displaying summarized outputs with functionality to easily copy results, enhancing user experience and interaction.

Tools & Languages used: Python-(Flask, NLP),HTML, CSS, JS,Transformer

Roles & Responsibilities:

- Spearheaded the design and development of a web-based document summarization application, ensuring the tool met user requirements and project specifications.
- Utilized Flask to establish and manage server-side logic, enabling robust backend connectivity and seamless data processing.
- Crafted and deployed regular expression (regex) patterns to accurately extract relevant information from DOCX documents after conversion to TXT format.
- Integrated advanced transformer models to analyze and summarize text, focusing on extracting essential content and presenting it in a digestible form
- Designed and implemented the user interface using HTML and CSS, creating a responsive and intuitive layout that allows users to upload documents and view summaries efficiently.
- Developed features such as a result display page with copy functionality, enhancing the user experience by providing practical, easy-to-use tools for interacting with the summarized output.
- Conducted thorough testing and debugging to ensure the application performed consistently across all stages of document handling and summarization.
- Authored comprehensive documentation on the system's functionality and user guide to assist end-users in navigating and utilizing the application effectively.

4.) **Project Name : Sepak Takraw, Canada** **Role : Web Developer**

Description:

As a Web Developer on the Sepak Takraw project, I played a key role in the seamless transition from Drupal 7 to Drupal 10, incorporating a contemporary redesign. This extensive upgrade was centered on elevating user experience, enhancing site performance, and refining content management workflows.

Tools & Languages used: Drupal, HTML, CSS, JS, PHP

Roles & Responsibilities:

- Designed and maintained engaging web pages using Drupal, focusing on user-friendly interfaces and content management customization to enhance site aesthetics and functionality.
- Managed web hosting and server configurations to ensure optimal site performance and high availability, while employing Agile methodologies to improve team collaboration and project adaptability.
- Utilized Jira for streamlined project management, efficiently tracking tasks and resolving issues to meet project deadlines and objectives.

5.) **Project Name : Online Vehicle Marketplace**

Role : Frontend Developer

Description:

Developed a comprehensive online vehicle marketplace that mirrors the design and functionality of platforms like Online Vehicle Marketplace. Implemented a seamless user interface for browsing and selecting vehicles using React and Material-UI, enhancing user experience with intuitive navigation and dynamic components. Integrated interactive elements such as brand selection and customized search features, providing users with a tailored experience. Focused on responsive design, ensuring compatibility across various devices to maximize accessibility and engagement.

Key Skills: Responsive Design, UI/UX Enhancement, Front-End Development, Cross-Browser Compatibility

Tools & Languages used: React.js, Material-UI, JavaScript, CSS, HTML.

6.) **Project Name : Yaz Groups, India**

Role : Software Developer

Description:

Created a website for a construction company, designed and hosted to showcase the company's services and projects effectively. Developed an engaging and user-friendly interface using HTML, CSS, and JavaScript, ensuring smooth navigation and visually appealing layouts. Integrated interactive elements, such as project galleries and service highlights, to enhance user engagement. Focused on responsive design to ensure the website performs seamlessly across devices, maximizing accessibility and providing a professional online presence.

Key Skills: Responsive Design, UI/UX Enhancement, Front-End Development, Back-End Development

Tools & Languages used: JavaScript, CSS, HTML.

7.) **Project Name : Pyrosphere Solutions, India**

Role : Software Developer

Description:

Created and successfully hosted a website for an IT services company, designing and developing all pages with updated content to effectively showcase services and offerings. Built an engaging and user-friendly interface using HTML, CSS, and JavaScript, ensuring smooth navigation and professional layouts. Designed a responsive "Contact Us" form to facilitate inquiries and enhance user interaction. Focused on delivering a seamless experience across devices, maximizing accessibility and providing a polished online presence.

Key Skills: Responsive Design, UI/UX Enhancement, Front-End Development, Back-End Development

Tools & Languages used: JavaScript, CSS, HTML.

7.) **Project Name** : Kube Studio, UAE

Role : Web Developer

Description:

Created a dynamic website for a gym and cycling studio using WordPress, designed to showcase services, schedules, and offerings effectively. Developed an engaging and user-friendly interface with responsive design to ensure seamless navigation across devices. Integrated interactive features such as class schedules, slot booking, and pricing details, connecting the site with a CRM system for efficient management of bookings and client data. Delivered a professional online presence optimized for accessibility and user engagement.

Key Skills: Responsive Design, UI/UX Enhancement, Front-End Development, Back-End Development

Tools & Languages used: WordPress, PHP, CSS, HTML.

Education

- **Msc Data Science** 2020-2022
 - Bishop Heber College,(Bharathidasan University) Tiruchirappalli
 - CGPA: 7.5
 - Course work: Data analysis, Artificial Intelligence machine learning, natural language processing statistical, data visualization. Proficient in Python, data scraping, data cleaning, predictive modelling ,PowerBI and Tableau.
- **Bachelor of Computer Application (BCA)** 2017-2020
 - Jamal Mohamed College,(Bharathidasan University) Tiruchirappalli
 - Credits Earned - 67%
 - Course work: HTML, CSS, Python, Javascript, SQL, Microsoft Office packages, Networking.

Skills

- Python
 - NumPy, Pandas, Matplotlib, Seaborn, NLP, AI
 - Flask,Django
- Microsoft Office Packages, Microsoft 365
- Html, Css, Javascript, React
- SQL
- Drupal, Wordpress
- Azure Cloud Fundamentals, ADB, ADF
- Prompt Engineering
- Power BI
- Gitlab, Github
- Filezilla, Putty, Cpanel
- Hardware and Networking
- Manual and Automation Testing

Certificates

- **Microsoft**
 - Azure Fundamentals AZ900
- **Bharathidasan University**
 - Office Automation
 - Programming Techniques
- **Coursera**
 - Foundations: Data, Data, Everywhere Ask
 - Questions to Make Data Driven Decisions
- **NIIT**
 - Protocols and Internetworking Standards

Awards

- **Team of the Year 2023 delivery** - Fountain of Health
- **Tech Champ of the Year 2023** -Workiy