

Kashav Piya

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Innovative and detail-oriented Software Engineer with a robust foundation in computer science and hands-on expertise in full-stack development. Proven track record of leading the design, development, and deployment of scalable applications across diverse platforms, including web and mobile. Proficient in leveraging a wide array of programming languages, frameworks, and tools to deliver cutting-edge solutions that meet organizational objectives. Adept at fostering collaborative environments and driving continuous improvement through agile methodologies. Passionate about integrating emerging technologies to enhance user experiences and optimize software performance.

TECHNICAL SKILLS

- **Languages:** Python, Java, SQL, R, HTML/CSS, JavaScript (including React.js), React Native, Node.js, Spring Boot
- **Tools:** AWS (EC2, Cognito, IoT Core, MQTT, Lambda), Tableau, Power BI, Miro, Hadoop, Excel, Adobe Creative Cloud, MySQL, SQL Server Management Studio (SSMS), SQL Server Integration Services (SSIS), GitHub
- **OS:** Windows, macOS, Linux

EDUCATION

Augustana College, Rock Island, IL

Bachelor of Art in Computer Science and Data Analytics

Member of Phi Beta Kappa Honor Society

08/2019 – 05/2023

GPA 3.93

PROFESSIONAL EXPERIENCE

Power Shower App, Mason, OH

Full Stack Software Engineer

01/2024 - Present

Managed nearly all software development operations independently at a startup environment, while serving as a Full Stack Software Engineer

- Led the development of a cross-platform mobile application using React Native for Android and iOS, integrating seamlessly with proprietary showerhead hardware.
- Designed and implemented robust REST APIs in Spring Boot and Java to facilitate secure communication between the application and hardware components, incorporating OAuth 2.0 for authentication.
- Managed the full software development lifecycle, from conception and design to deployment and maintenance, ensuring high performance and user experience standards.
- Contributed significantly to ongoing performance enhancements, user interface refinements, and overall user experience improvements through iterative development cycles.
- Actively engaged in code reviews, providing valuable feedback and adhering to coding standards for optimal code quality and maintainability.
- Orchestrated AWS services management for the organization, encompassing Cognito for authentication, ECR for container registry, ECS for container orchestration, IoT Core for device management, DynamoDB for NoSQL database needs, and other AWS services as required.
- Utilized Git and GitHub for version control, ensuring efficient collaboration and code management.

IH Mississippi Valley Credit Union, Moline, IL

Business Intelligence Engineer

05/2023 –12/2023

- Implemented advanced data organization, visualization, and analysis techniques to discern Key Performance Indicators (KPIs) and extract pivotal insights, driving informed strategic decisions across diverse departments.
- Spearheaded the conceptualization, design, and deployment of an automated consumer loan funding report, resulting in a notable 32-hour reduction in manual processing for Loan Processors.

- Conceived and executed multiple interactive dashboards within a comprehensive database framework using SQL and Power BI, fostering streamlined organizational processes and enhancing overall time management efficiency.
- Regularly collaborated with cross-functional teams, ensuring robust data integrity, and iteratively refined tools and processes based on stakeholder feedback.
- Demonstrated a commitment to innovation, staying abreast of industry trends to ensure the credit union capitalized on cutting-edge Business Intelligence (BI) tools and best practices.
- Integral member of an Agile Scrum team, actively contributing to the successful delivery of projects and ensuring alignment with organizational objectives.

Office of Admissions, Augustana College, Rock Island, IL

02/2023 – 05/2023

Data Scientist

- Conducted comprehensive organization, analysis, and interpretation of historical data pertaining to college applicants, employing advanced techniques in SQL, Python, R, and Tableau for robust data analytics and visualization.
- Identified and extrapolated key trends and patterns within applicant data, contributing valuable insights to facilitate informed decision-making processes and optimize strategies for applicant selection and recruitment.
- Contributed to the continual enhancement of data analytics capabilities, staying attuned to industry best practices and incorporating cutting-edge technologies to drive data-driven decision-making.

Mav's Adventure, Remote

05/2022 – 09/2022

Software Engineer

Learned C# and Unity by creating 2D games including simulation and runner games. Worked independently on planning and delivering a project in a timely manner.

- Designed, coded, and shipped a 2D runner game on Unity, titled "Pet's Adventure" which included designing interactive elements, addictive gameplay mechanics, and challenges to engage the player base.

EDGE Center, Rock Island, IL

05/2021 – 01/2022

Web Development/Project Management Intern

Worked with clients directly to help design and build websites. Learned project management skills to manage projects in a fast-paced environment. Rebuilt older websites to be responsive and worked on search engine optimization (SEO) for better results.

- Led the development of websites for clients using HTML, CSS, PHP, and JavaScript.
- Managed updates for 50+ websites while also creating new websites from scratch for various clients.
- Efficiently managed website development projects by communicating with clients about technical aspects of the process in a non-technical manner, ensuring all user requirements are met and a smooth overall experience.

Computer Science Department, Augustana College, Rock Island, IL

02/2020 – 05/2023

Computer Science Tutor and Research Assistant

Taught students individually and in groups software development concepts such as data structures, algorithms, agile methodologies, git, testing, debugging, object-oriented programming and many more. Worked in teams to conduct research on various topics such as Internet of Things, Virtual Reality, and Voice Recognition using Python.

- Taught programming concepts to a wide range of students with varying levels of computer knowledge.
- Analyzed the current state of healthcare technology and identified opportunities for improvement. Conducted and published research on the feasibility of various IoT devices and platforms in healthcare. Presented the research in a conference which included technical as well as non-technical clients.

Wells Fargo Software Engineering Job Simulation on Forage

- Understood relevant requirements for building a system to manage financial portfolios
- Figured out what data the system needed to keep track of
- Drafted a visual representation of the data as an entity relationship diagram (ERD)