Vamshi Krishna Reddy

pvkr105@gmail.com | linkedin.com/in/pvkr105 | github.com/pvkr105

PROFESSIONAL SUMMARY

Dedicated and accomplished software developer with three years of experience in Python, JavaScript, React, SQL, Kubernetes, and PostgreSQL. Master's degree in Applied Computer Science Technology with a specialization in Database Management. Poised to contribute innovative solutions, collaborate effectively, and drive software development success. Possesses a keen aptitude for problem-solving and a solid understanding of software development methodologies. Aims to leverage professional and academic excellence to make a meaningful impact in an associate developer role.

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PROFESSIONAL EXPERIENCE

Junior Software Developer
Acro Computing   **JAN 2020 – JUL 2021**

- Designed and implemented innovative microservices architecture with a cross-functional team of five developers using Python, ReactJS, and PostgreSQL, resulting in a scalable and high-performance system.
- Utilized Python and Flask to develop a RESTful API for seamless integration with external systems, enhancing data exchange capabilities.
- Created and maintained ServiceNow workflows, business rules, UI policies, and scripts to automate routine tasks and enhance system functionality.
- Automated deployment pipelines using Maven and Jenkins, leading to a 25% reduction in deployment time and minimizing errors.
- Utilized Kubernetes for auto-scaling and load balancing, ensuring optimal resource allocation and high availability for applications and Implemented RBAC policies to enhance security and access control across clusters.
- Optimized SQL queries, reducing database query response times by 15% and improving overall system efficiency.

Software Intern
Acro Computing   **MAY 2019 – DEC 2019**

- Collaborated with senior developers to design and implement responsive user interfaces using NodeJS, enhancing user experience and engagement.
- Contributed to the development of Azure Analytics Services, reducing data processing time by 30% and improving data accuracy.
- Assisted in Identifying and fixing JavaScript compatibility issues across various browsers, ensuring a consistent user experience.
- Collaborated with QA team to conduct rigorous testing, resulting in a 25% decrease in software defects before release.
- Proactively participated in weekly code review sessions, offering valuable insights and suggestions for improvement.

Divisional President & Human Resources
Street Cause Hyderabad   **JUN 2018 – JUL 2020**

- Managed a team of 100+ volunteers, overseeing successful execution of 15+ community service projects.
- Implemented data-driven strategies that led to a 200% increase in volunteer engagement and participation.
- Developed and maintained the organization's website.
- Received " Dedicated Divisional President " award for driving positive impact and fostering a collaborative team culture.

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TECHNICAL SKILLS

Languages	Python, JavaScript, TypeScript, Java, R, SQL, JSON, XML, YAML, PowerShell Scripting.
Frameworks/Web technologies	React.js, Node.js, AngularJS, Flask, HTML5, CSS3, SOAP, RESTful API Web Services, React Redux, Axios, Next.js, Bootstrap, Tailwind, Hadoop, Spark, Kafka, Spring, Hibernate .Net
Databases	MongoDB, PostgreSQL, Oracle, Cassandra, SQL Lite, DB2.
Operating Systems	Windows, Linux, UNIX
Tools	PyCharm, SQL Developer, ServiceNow JIRA, Postman, R-Studio, Kubernetes, Splunk, Docker, JEST, Cucumber, Keras, TensorFlow.
Methodologies	Agile/Scrum, UML, Design Patterns, Waterfall
Build Tools	NPM, Git, Bitbucket, Jenkins, GULP, TemCity, Talend, Maven.
Cloud Platforms	Azure, AWS.
Soft Skills	Leadership, Teamwork, Collaboration, Problem solving, Communication, Decision-making. Empathy

EDUCATION

Master of Science: Applied Computer Science   **GPA: 3.6**

Grand Valley State University, Grand Rapids, MI, May 2023

Bachelor of Technology: Computer Science and Engineering   **GPA: 3.0**

Jawaharlal Nehru Technological University, Hyderabad, India, Sep 2020

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ACHIEVEMENTS

- Award for at Utmost Financial Transparency – Street Cause Hyderabad – 2019
- Award for Dedicated Divisional President - Street Cause Hyderabad – 2019
- Medal of Honor as HR – 2020
- Database Management Badge – Graduate, Grand Valley State University – 2023

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PROJECTS

- **Web Development**

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- Cloud Kitchen project built using modern web development technologies.
- Used technologies like React Redux, Axios, Next.js, MongoDB, and REST API, which enables customers to order food online.
 - Additionally, the project incorporates cookie authentication and an admin dashboard for managing orders, menu items, and users.

Blood Bank Website
-Stored Customer information inside an SQLite database with a Server
-Implemented a serverless architecture to ensure that the website is always available
-Created a website with an intuitive user Interface.

Ecommerce Website Using Django
-Created a user-friendly interface for customers to browse and purchase products
-Implemented a secure payment system to process customer payments
-Monitored website traffic and performance to ensure a positive user experience and performed in-depth documentation.

- **Web Scrapping**

IMDb Web Scraping & Data Analysis
-Created visualizations of the data using Matplotlib and Seaborn.
-Performed sentiment analysis on the reviews using Unsupervised lexicon-based method.
-Determined the overall sentiment of the reviews for each movie and presented it in a Dashboard.

- **Machine Learning**

Aircraft engine failure prediction - Deep Learning
-Developed a LSTM model to predict the remaining useful life of aircraft engines
-Used regression to predict the probability of aircraft engine failure
-Evaluated the performance of the models using training and test datasets.