Sameer Raja Shaik

Software Engineer

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Professional Summary:

- Led the full software development lifecycle for multiple web/mobile apps using React, Angular, HTML/CSS for UI/UX and NodeJS, Java Spring Boot for backend.

- Created scalable and secure REST APIs with NodeJS and third-party integrations like messaging kafka.

- Applied computer vision and machine learning techniques including facial recognition and object detection for innovative solutions. Leveraged libraries like OpenCV, PyTorch, CNN, TensorFlow and Keras.

- Containerized applications with Docker for deployment across AWS, Azure, and on-premises environments.

- Database Management Software and optimization with database software like MySQL, MongoDB, and other SQL/NoSQL platforms.

- Development best practices including unit testing, CI/CD, and system analysis, agile development, and agile methodology ensuring reliability in software.

- Comfortable working in service-oriented architecture, including sprint planning and adaptable to changing priorities and technologies.

- Dedicated to sound engineering practices, including continuous delivery, defensive programming, and automated testing, ensuring the development of high-quality and resilient software solutions.

- Proficient in software engineering with a strong track record of coding, developing scalable and high-performance applications that meet business needs.

- Strong problem-solving skills with a keen attention to detail, coupled with a collaborative spirit that enhances teamwork and fosters effective solutions.

- Proven resiliency in navigating and overcoming challenges, coupled with the ability to adapt to evolving circumstances.

- Applied software knowledge to assist in designing applications and specialized in source code management system.

- Quick learner of open communication standards such as ftp, web services/HTTPS, AS2, and SFTP protocols

- Designed and implemented small software features for products and systems.

- Actively participated in project lifecycles, including design, coding for small features, unit testing, minor debugging fixes, and integration efforts, ensuring projects met deadlines.

- Assisted in code reviews, regression tests, and issue triaging to maintain code quality.

- Ability to Collaborate effectively with cross-functional project teams to achieve project objectives.

- Learning and staying up to date on the latest operating systems like Unix, MacOs.

- Worked under supervision, making decisions that directly influenced the work area and team.

- Demonstrated critical thinking, strong verbal, and written communication skills, effectively conveying basic, routine information.

- Managed tasks that required multiple steps and involved planning, problem-solving, and prioritization for efficient completion within project timelines.

- Strong aptitude to learn skills in systems analysis, design, systems integration, and development.

Skills:

- **Programming Languages:** Python, java script, TypeScript, SQL, C, C++, PHP, Java/J2EE, HTML, CSS
- **Database:** MySQL, Mongo DB, SQL Server
- **Web Technologies:** Django, ReactJS, Flask, NodeJS, Angular 8+, Java Spring Framework, Bootstrap
- **Cloud:** Amazon Web Services aws cloud, Microsoft Azure
- **Machine Learning Libraries:** OpenCV, Tensorflow, Keras, scikit learn, PyTorch, ARIMA, LSTM, NN, NumPy, Pandas, Matplotlib, CNN
- **Automation Tools – CI/CD:** Docker, Jenkins, Git, JIRA
- **IDE & Tools:** Eclipse, IntelliJ IDEA, Visual Studio Code, PyCharm
- **Build Tools:** NPM, Yarn
- **Platforms:** Windows, Linux - Ubuntu
- **Methodologies:** Agile, scrum
- **Testing:** JUnit, Selenium
- **Other:** OOPS concept, Data Structures and Algorithms, Servlets, JSP, JDBC, XML, RESTful API's, JSON, Bitbucket, Spring Boot, Postman

Professional Experience

Company: Anuta Networks

Role: Software Engineer

Duration: July 2021 – Dec 2021

Responsibilities:

- Led advanced Machine Learning project, applying ARIMA, LSTM, and Prophet models for precise resource utilization forecasting.

- Employed React framework, Redux toolkit for efficient state management, Node, and Java Spring Framework to deliver seamless frontend user experience with dynamic UIs and robust back-end https endpoints.

- Achieved a 30% improvement in application response time through code optimization, debugging and performance tuning.

- Demonstrated proficiency in public cloud services, with a focus on leveraging AWS EC2 for hosting, S3 for secure file storage, and RDS for efficient user data management to ensure seamless user access to files and data.

- Applied J2EE principles, OOP concepts, Protobuf for data serialization, Servlets, JSP for web development, JDBC for database connectivity, and handled XML and JSON for data exchange in web applications.

- Collaborated on a shipping software project that leveraged distributed systems, resulting in a 15% increase in monthly subscription revenue and achieved customer goals.

- Streamlined development with Docker, Jenkins, Git, and JIRA, improving code quality and project management.

- Enhanced user engagement by implementing real-time updates, leading to a 20% increase in user interactions.

Company: Metacognition

Role: Software Engineer

Duration: May 2020 – Dec 2020

Responsibilities:

- Built systems and modern front end user interfaces for enterprise-level web applications using Angular, JavaScript ecosystem, TypeScript, HTML5 and Tailwind CSS.

- Designed and implemented scalable RESTful APIs, authentication mechanisms, and optimized database queries leveraging NodeJS and ExpressJS.

- Achieved a 40% reduction in query response time through optimized database queries.

- Created user stories using Storybook to effectively capture and communicate user requirements, ensuring clear understanding and alignment among development teams.

- Worked extensively with Microsoft Azure services including leveraging cloud infrastructure for authentication, storage, and scaling VM instances to meet application demands.

- Developed and deployed 5 new features in the application and resolved an average of 10 software bugs per week.

- Proficient in version control, build processes, and codebase management for various projects using Git workflows and GitHub repositories.

- Contributed to the full software development life cycle SDLC including gathering requirements, scoping, development, testing, deployment, and resolving issues in applications.

- Strong Object-oriented design standards, J2EE programming knowledge with experience building and maintaining Java-based RESTful microservices architecture at scale.

- Implemented and maintained advanced security systems to protect sensitive data and ensure compliance with industry standards.

Company: Koneru Lakshmaiah Educational Foundation

Role: Peer Mentor

Duration: Jan 2019 – April 2020

Responsibilities:

- Mentored 35 undergraduates in intricate ML coursework, ensuring their mastery of Algorithms, Machine Learning models and provided analytical support.

- Developed and managed technical content for around 9 Machine Learning Lab experiments.

- Provided agile assistance during lab sessions, troubleshooting issues related to data processing, model optimization, and hyperparameter tuning.

- Gained technical proficiency in Java and the Spring framework for developing enterprise applications and deploying them effectively, utilizing Oracle DB as database design.

- Orchestrated instructional sessions, explaining ML concepts and guiding students resulting in a 25% increase in utilizing Spring and Spring Boot for building web applications and services.

- Leveraged my expertise in machine learning, utilizing a diverse tech stack encompassing PyTorch, TensorFlow, Keras, NumPy, Pandas, scikit-learn.

- Guiding and collaborating with aspiring machine learning enthusiasts, actively accelerating their growth through hands-on projects, sharing knowledge, resulting in 80% of the students successfully completing the certification courses.

Educational Details:

Degree: Masters in computer science **MS**

University: University of Missouri Kansas City | **GPA:** 3.7