Sameer Raja Shaik

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Professional Summary:

- Led the full software development lifecycle for multiple web and mobile apps using React, Angular, Python (Django, Flask), Node.js, and Java Spring Boot. Developed UI components with HTML, CSS, JavaScript, and TypeScript.

- Created scalable and secure REST APIs with Node.js, Spring Boot, and third-party integrations like messaging (Kafka).

- Led full-stack development of Spring Boot REST APIs consumed by Angular, React frontends. Also Integrated Spring Security for OAuth2 authentication and token-based access control.

- Implemented a variety of computer vision and machine learning techniques like facial recognition and object detection to build innovative solutions. Leveraged libraries like OpenCV, TensorFlow, Keras.

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

- Led database management and optimization with MySQL, MongoDB, Oracle DB, and other SQL/NoSQL platforms.

- Championed development best practices including unit testing, CI/CD, code reviews, and project management (Jira, Agile).

- Comfortable working in fast-paced agile environments and adaptable to changing priorities and technologies. Excited by complex, challenging projects that demand innovative solutions.

- Quick at learning new web frameworks like Astro JS, Vue JS, Gastby.js and Preact. Passionate about learning and staying up to date on the latest technologies like GraphQL, Web Assembly, etc.

Skills:

- **Programming Languages:** Python, JavaScript, TypeScript, SQL, C, C++, PHP, Java, HTML, CSS
- **Database Technologies:** MySQL, Mongo DB, Oracle DB, SQL Server
- **Frameworks, Web tech:** J2EE, Django, ReactJS, Flask, React/Redux, NodeJS, Angular 8+, Java Spring Framework, Jest
- **Cloud Computing:** Amazon Web Services (AWS), Microsoft Azure
- **Machine Learning Libraries:** OpenCV, Tensorflow, Keras, scikit-learn, PyTorch, ARIMA, LSTM, NN, NumPy, Pandas, Matplotlib, CNN
- **Automation Tools:** Docker, Jenkins, Git, JIRA
- **IDE Tools:** PyCharm, Jupyter Notebook, Eclipse, Microsoft Visual Studio Code, IntelliJ IDEA
- **Operating System:** Linux (Ubuntu), Microsoft Windows
- **Other:** OOPS concept, Proto Buffers, 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 an advanced Machine Learning project, applying ARIMA, LSTM, and Prophet models for precise resource utilization forecasting.
- Employed React, Flask, Redux toolkit (for efficient state management), Node, and Java Spring Framework to deliver seamless user experiences with dynamic UIs and robust back-end functionality.
- utilized Aws EC2 for hosting, S3 for secure file storage, and RDS for 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.
- Streamlined development with Docker, Jenkins, Git, and JIRA, improving code quality and project management.
- Worked in Linux (Ubuntu) environments for compatibility with production servers.

Environment: Python, GitHub, Jenkins, Docker, Java, React JavaScript, NodeJS, MongoDB, Restful web API's, Machine Learning models, Git, Jenkins, JIRA, Scrum, Agile development.

Company: Metacognition

Role: Software Engineer Intern

Duration: May 2020 – Dec 2020

Responsibilities:

- Developed responsive and modern user interfaces for enterprise-level web applications using Angular, JavaScript, TypeScript, HTML5 and Tailwind CSS.

- Designed and implemented scalable RESTful APIs, authentication mechanisms, and optimized database queries leveraging Java, Spring Framework and Spring Boot over the course of multiple projects.

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

- Collaborated closely with cross-functional agile teams to break down requirements, estimate timelines, prioritize workflows, and ensure on-time delivery.

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

- Contributed to the full software development life cycle (SDLC) including gathering requirements, scoping, development, testing, deployment, and maintenance of enterprise-scale applications.

- Strong OOPS, J2EE programming knowledge with experience building and maintaining Java-based RESTful microservices at scale.

- Quick learner adept at picking up new skills and technologies as needed. Passionate about staying up to date with the latest web development best practices and industry standards.

Environment: React, Node, MongoDB, Azure services, Java, Git, Scrum, HTML, CSS, JavaScript, Angular, Bootstrap, Flask, MySQL, Docker, JEE, Spring Boot.

Company: Koneru Lakshmaiah Educational Foundation

Role: Peer Mentor

Duration: Jan 2019 – April 2020

Responsibilities:

- Mentored undergraduates in intricate ML coursework, ensuring their mastery of Algorithms, Machine Learning models, and Neural Networks.
- Developed and managed technical content for Machine Learning Lab experiments.
- Provided agile assistance during lab sessions, troubleshooting issues related to data preprocessing, 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.
- Orchestrated instructional sessions, explaining ML concepts and guiding students 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, OpenCV, Convolutional Neural Networks (CNN), and neural networks (NN) to develop impactful projects, with a specific focus on face detection using MTCNN.
- Guiding and collaborating with aspiring machine learning enthusiasts, actively accelerating their growth through hands-on projects, sharing knowledge.

Educational Details:

Degree: Masters in computer science (MS)

University: University of Missouri Kansas City

GPA: 3.7

Degree: Bachelor of Technology in Computer Science (BTech)

University: KL University

Capstone Project: Attendance Management System using OpenCV.

GPA: 3.67

PROJECTS:

Heart Disease Prediction
• Utilized decision trees, artificial neural networks (ANNs), and random forest for heart disease prediction.
• Performed data preprocessing and feature engineering to ensure high quality input for the algorithms.
• Implemented machine learning models using Python, leveraging libraries such as scikit-learn, TensorFlow, and Keras.

React To-do App
• Developed a web-based To-Do Application using ReactJS, a popular JavaScript library for building user interfaces.
• Implemented user authentication and sign-up functionality, allowing users to create accounts and securely log in. Utilized google firebase to do the following.
• Provided a user-friendly interface for users to create and manage their tasks, including adding new tasks, editing existing tasks, and marking tasks as completed.
• Integrated Google Firebase, a cloud-based platform, for data storage, real-time updates, website hosting and efficient handling of user tasks.

Attendance Management System Using OpenCV
• Utilized OpenCV, a computer vision library, to enable classroom CCTV cameras to capture pictures at specific time intervals and mark attendance.
 • Implemented the MTCNN (Multi-task Cascaded Convolutional Networks) library for automatic student identification and face detection in the captured images.
 • Developed a user interface using ReactJS and Spring Framework to provide a user-friendly experience for accessing attendance data.

CERTIFICATIONS:
- Machine Learning Specialization – Coursera
- RPA Developer Advanced Certificate – UiPath
- Algorithms Specialization – Coursera
- Python – HackerRank
- Servicenow Certified System Administrator - Servicenow