Abdul Baseer Mohammed  
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LinkedIn  
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SOFTWARE ENGINEER  
  
PROFILE  
As a highly motivated software engineer with a strong passion for software development and practical experience in developing software applications, I am seeking a Full-Time Software Engineer position with Microsoft Leap. I have a demonstrated history of leading software development projects following Software Development Lifecycle (SDLC) from inception to completion. My strong foundation in Data Structures, Algorithms, and object-oriented design methodologies using languages such as Java, Python, C++, JavaScript, React.js, and others is a great match for this position. Additionally, I possess expertise in various databases such as MySQL, Oracle SQL, No-SQL, AWS RDS, DynamoDB and MongoDB, as well as tools and technologies such as AWS Cloud, GIT, Github, Jupyter Notebook, Visual Studio Code, Docker, NPM, and SDLCC/CD.  
  
EDUCATION  
Master of Science - Computer Science – University of Kansas, Lawrence, KS, (December 2023) Ongoing  
• GPA: 3.9/4.0  
• Selected Coursework: Information Retrieval, Analysis of Algorithms, Distributed Applications, Machine Learning (ML)  
  
Bachelor of Engineering – Computer Science – Osmania University, Hyderabad, India, (May 2021)  
• GPA: 7.0/10.0  
• Selected Coursework: Data Structures, object-oriented programming (oop), Software Engineering, Web Programming, DBMS  
Programming Languages: Python, C++, Java, Node.js, Express, React.js, JavaScript, HTML, CSS, Flask, Pytorch.  
  
Database: MySQL-relational database - Rdbms, Oracle SQL, AWS RDS, MongoDB-NOSQL, AWS DynamoDB, PL/SQL.  
  
Tools and Technologies: AWS Cloud, GIT, Github, Jupyter Notebook, Tableau, Docker, NPM, Postman, SDLCC/CD.  
  
PROFESSIONAL EXPERIENCE  
  
Software Developer, University of Kansas, Lawrence, KS (Jan 2023 - present)  
• Architect and implement full-stack web features in JavaScript MERN Stack (MySQL) following Agile methodology.  
• Designing Relations in MySQL Database (RDBMS) and migrating existing databases to AWS RDS.  
• Implement AWS Lambda functions to connect, store and map data in S3 from MySQL RDS.  
• Build well-designed, reusable UI components using React.js, HTML, CSS.  
• Re-engineering and optimizing backend using Node.js, Express.js to build RESTful APIs.  
  
Teaching Assistant, University of Kansas, Lawrence, KS (Aug 2022 - Dec 2022)  
• Leverage in-depth proficiency in JavaScript to assist with EECS 368 (Programming Paradigms) while providing practical insight into innumerable aspects of modern programming languages that led to 70% better outcomes.  
• Perform all aspects of instructor duties, including explaining programming assignments, reviewing code, and conducting help sessions with 100% accuracy.  
  
Data Analyst-Intern, Enshrine Global System, Hyderabad, India (Jan 2020 - Apr 2020)  
• Extracted, pre-processed, and analyzed 10Gb data using SQL, Tableau, and Python with the aim of formulating and building detailed reports while enabling senior leadership with decision-making.  
• Built 4 machine learning models by operating Sklearn (Python) and pytorch to predict the value of quantity based on new data items.  
  
Coding Instructor-Intern, Camp K12, Hyderabad, India (May 2020 - Oct 2020)  
• Simplified fundamentals of programming to offer an easy mental framework for dealing with all programming languages while explaining with real-life examples.  
• Improved efficiency by 100% by rendering support to around 60 students with problem-solving in Python and JavaScript React.  
  
PROJECTS  
FullStackJobPortal, Lawrence, KS (Nov 2022)  
• Used modern programming languages node.js, Express, and MongoDB as a database to create REST API (API) for job listings.  
• Advanced front-end by using 3 of known programming languages such as Html, CSS, and React.  
• Implemented manual JWT authentication and social login by utilizing GCPAuth.  
  
Search Engine, University of Kansas, Lawrence, KS (May 2022)  
• Designed and created a search engine from scratch to easily carry out web searches by writing ranking algorithms in Python.  
• Compiled and deployed search engine on the web using flask and used Reactjs for search UI.  
  
Lowest Cab Fare Pricing Model, Osmania University, Hyderabad, India (May 2021)  
• Scaled data for model development by using feature engineering techniques and 5 Python libraries including Numpy and Pandas.  
• Brainstormed, formulated, and validated different model development ideas and developed software using pickle and flask.  
  
SKILLS:   
• Strong foundation in Data Structures, Algorithms, and object-oriented design methodologies.   
• Expertise in various databases such as MySQL, Oracle SQL, No-SQL, AWS RDS, DynamoDB and MongoDB.  
• Proficient in programming languages such as Python, C++, Java, Node.js, Express, React.js, JavaScript, HTML, CSS, Flask, Pytorch.  
• Familiarity with tools and technologies such as AWS Cloud, GIT, Github, Jupyter Notebook, Visual Studio Code, Docker, NPM, and SDLCC/CD.  
• Knowledge of Machine Learning concepts and Artificial Intelligence.  
  
REFERENCE  
Available on request.