AbdulBaseer Mohammed  
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SOFTWARE ENGINEER  
  
PROFILE  
As a skilled software engineer with practical experience in software development and a strong passion for software engineering, I am pursuing a Master of Computer Science degree. I have demonstrated proficiency in leading software development projects from inception to completion while adhering to the Software Development Lifecycle (SDLC), using programming languages such as Java, Python, C++, JavaScript, Node/React, and more. I have a strong foundation in Data Structures, Algorithms, and object-oriented design methodologies. Additionally, I am skilled 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 SDLC CI/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, SDLC CI/CD.  
  
PROFESSIONAL EXPERIENCE  
Software Developer, University of Kansas, Lawrence, KS January 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 API.  
  
Teaching Assistant, University of Kansas, Lawrence, KS August 2022 – December 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 January 2020 – April 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, CampK12, Hyderabad, India May 2020 – October 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  
Full Stack Job Portal, Lawrence, KS November 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 GCP Auth  
  
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 web using flask for backend and used React js 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 knowledge of software development life cycle (SDLC).  
-Proficient in programming languages such as Java, Python, C++, JavaScript, Node/React, and more.  
-Expertise in various databases such as MySQL, Oracle SQL, No-SQL, AWS RDS, DynamoDB, and MongoDB.  
-Skilled in tools and technologies such as AWS Cloud, GIT, Github, Jupyter Notebook, Visual Studio Code, Docker, NPM, and SDLC CI/CD.  
-Strong skills in Data Structures, Algorithms, and object-oriented design methodologies.  
-Experience in building RESTful APIs, full-stack web development, and implementing manual JWT authentication and social login.  
-Familiar with machine learning models development and data analysis tools such as Sklearn, Pytorch, Numpy, and Pandas.   
  
REFERENCES  
Available upon request.