SAGAR JALINDAR KHANDAGALE

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EDUCATION:

Northeastern University, Boston, Master of Science in Information Systems - *GPA: 3.8*   **Expected May 2023**
Enrolled Courses: Application Engineering and Development, Database Management and Database Design, Data Structures and Algorithms, Web Design and User Experience Engineering, Concepts of Object-Oriented Design

University of Mumbai, India, Bachelor of Engineering in Mechanical   **Jun 2016**
Related Courses: Learned Computer Science fundamentals in Structured Programming Approach, Database Information and Retrieval System

TECHNICAL SKILLS:

- **Languages and Databases:**   C#, Java, JavaScript, Go (basic), MSSQL, PLSQL, MongoDB
- **Technologies:**   HTML, CSS, Bootstrap5, Angular, REST API, jQuery, Express.js, React, Node.js, .Net
- **Software:**   Visual Studio Code, Atom, IntelliJ, NetBeans, Git and GitHub, Postman, MongoDB Compass, MS Office
- **Cloud and OS:**   Microsoft Azure, AWS (EC2), Windows, MacOS, Linux
- **Others:**   Agile Methodologies, Software Development Lifecycle (SDLC), Problem-Solving, Teamwork
- **Certifications:**   (Udemy) The Complete 2022 Web Development Bootcamp

EXPERIENCE:

Northeastern University (College of Engineering) | Boston, MA
Graduate Teaching Assistant: **May 2022 - Present**
- Creating and grading **assignments and quizzes** for Professor Vishal Chawla's course **Web Design and User Experience Engineering.**
- Organizing hybrid **labs** on topics such as **HTML, CSS, Bootstrap, SASS, JS, React**, etc. Evaluating and grading assignments
- Holding **TA hours** to answer **student questions/doubts** about the topics covered in class by Professor

Inquizity Metanoia OPC Pvt. Ltd. | Mumbai, India
Senior Software Engineer: **Jan 2020 - Jul 2021**
- Led a self-starter project team to develop demand planning portal for **Hafele** using technologies like **Node.js, Angular, MongoDB**
- Delineated relational databases, addressed, and optimized **complex queries on Postgres SQL Server** improving performance **by 50%**
- Operated a MongoDB **storage and retrieval** system that improved the loading of screens with large amounts of data by **80%.**
- Implemented and administered new features like **tree table** for data visualization leveraging complex algorithms in JavaScript, **excel reporting**, **Azure Redis** caching in the company's core product **dataSAVI** contributing towards company's growth
- Incorporated **Object-Oriented Programming** to develop product dataSAVI based on technologies like Dot Net, MVC, SQL Server, MongoDB, Angular7, PrimeNg, Node.js using languages **C#, JavaScript, TypeScript**

Junior Software Engineer: **Jul 2018 - Dec 2019**
- For **Indian Railways** project, identified a problem statement, developed and implemented **QR coding** to automate data collection
- Designed and built an **IoT** application, database in **SQL server**. Deployed application on **IIS**. Implemented **networking** concepts required
- Ensured timely and successful completion of the project which led to **acquisition of 9 other projects** from the same client which augmented the revenue of the company, and I was **promoted to senior developer** position after this achievement
- Automated complete process of calculating forecast, demand, etc. on click of a button thereby improving **customer satisfaction** by **30%**
- Engaged in code reviews, performed manual **testing**. Handled better code management within the organization using **Git**
- Worked on other projects with the **clients Crompton, Hindalco, Finolex**, etc. where the team provided data and software solutions like **forecasting, demand planning, real-time data tracking, and tracing** of fiber generation systems using barcode implementation

PROJECTS:

E-Farming (Java Swing):   **Nov 2021 - Dec 2021**
- Developed a user-friendly e-farming java application using OOPS concepts with advanced interface build using **Java Swing library**
- Application provided farmers **online system** for better crop management and help **earn good profits**

TechZane (MERN stack):   **Mar 2022 - Apr 2022**
- By communication and collaboration with a team, designed a **full stack** E-commerce application with user rich UI.
- Developed an end-to-end responsive web-app built using **React, Node** and **Express** along with Role based authentication using **JWT**
- Implemented **microservices** structure for hosting **Backend, Front-end and Admin portal**

MENACE (Java):   **Mar 2022 - Apr 2022**
- Matchbox Educable Noughts And Crosses Engine is a **reinforcement learning** based gaming application which learns and improves
- The MENACE plays first move on the board and the MENACE is **rewarded for each win/draw** whereas **punished for every game lost**