Rajat R Gedam

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SKILL SET

Languages: C#. NET, C/C++, Java, Python, JavaScript, HTML, CSS, LESS, jQuery, TypeScript, SQL Lite.
Cloud Platforms and Technologies: Azure, AWS, TeamCity, Kibana, Docker, Kubernetes, GitHub.
Databases: MySQL, NoSQL, MongoDB, PostgreSQL, Cassandra.
Frameworks/Tools: Angular, React, .NET WPF, SQL Server, Jira, Confluence, Git, Swagger, Postman.

EXPERIENCE

Software Engineer   **May 2022 - Present**
University of Massachusetts Dartmouth | *React JS, SQL, SharePoint*   ***New Bedford, MA***

- Designed and architected a **Turbo Tax** like web form using Microsoft C#. NET stack and **SQL RDBMS**, to streamline degree tracking process for students, eliminating staff workload for **data entry by 85+%**. Implemented **AI** with **Power BI** to generate **analytics** and **reports** from graduate program data.
- **Automated** advisor approval processes, enhancing application functionality and efficiency by 25%.
- Spearheaded the **ownership** of **end-to-end** software **lifecycle** –Design, code, test, debug, implementation, and deployment. Collaborated with stakeholders, refining specifications, achieving precise alignment with software requirements for effective development.

Software Engineer (C# .NET)   **Nov 2018 - Aug 2021**
Yardi Systems Inc. | *AGILE, REST, C# .NET, WPF, Azure, AngularJS, NodeJS*   ***Pune, IN***

- Orchestrated **REST API development**, adhering to industry standards, ensuring 20% faster data retrieval. Revamped web pages, refactoring a multi-stage web wizard for improved user experience.
- Refactored cloud solution in **.NET (Core)**, achieving **80% code reuse** across 3 features.
- Automated data migration from legacy code using C# .NET module, **saving 40+ hours/month** in manual work.
- Enhanced reliability by analyzing and configuring **API** exception handling with **Elasticsearch** and **Kibana**, resolving 20% of underlying issues across all environments. Achieved a 20% code quality improvement by writing clean, scalable, and best-practice-adherent code.
- Executed precise **documentation** in **Confluence** for **26+ engineers** for cross-functional team modules, tracked tasks using **JIRA** for efficient management. Estimated project development activities, optimizing resources and project timeline, **meeting 95% of deadlines** consistently.
- Collaborated with a global **Agile** cross-functional team in Santa Barbara for daily **Scrum**, **backlog refinement**, **sprint** planning, and mentored a team of 6 interns in the implementation of a new product feature.

PROJECTS AND COURSEWORK

Cancer Diagnosis System (Capstone) | *Flask, Microservices, Design Patterns*   **Jan 2023 – Aug 2023**

- Designed and implemented 3 scalable **Microservices** that applied ML methods on dataset to generate performance metrics plot. Demonstrated exceptional object-oriented design skills, ensuring code integrity, scalability and improving readability by 90%.
- Architected a machine learning microservice with **Strategy** pattern and Data Preparation service using **Decorator** pattern. Enhanced deployment efficiency by 30%, through Docker container utilization.

Enterprise Cloud Systems | *AWS S3, Lambda, Kinesis, Glue, Athena, Recognition*   **Sep 2022 – Dec 2022**

- IOT Real time data analytics ETL pipeline: Extracted time series data from IoT devices using AWS **IoT Core**, **Kinesis** Data Firehose, S3, AWS Lambda, Cognito, and CloudFront. Used IaC based CloudFormation to deploy the stack.
- AI-Powered **Health Data Masking** service: Deployed protected **medical** information data **extraction** and **identification** (**PHId**) service using **Amazon API Gateway**, AWS Lambda and Amazon **Re(k)cognition**.

EDUCATION

University of Massachusetts Dartmouth	**Sep 2021 – Aug 2023**
MS, Computer Science	**3.7 / 4.0**
Pune Institute of Computer Technology	**Aug 2014 – Jun 2018**
BE, Computer Science	**3.6 / 4.0**