

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, SQL Server, Jira, Confluence, Git, Swagger, Postman.

EXPERIENCE

Software Engineer

May 2022 - Present

University of Massachusetts Dartmouth | *React JS, SQL, SharePoint*

New Bedford, MA

- Architected a **Turbo Tax** like web form using Microsoft .NET stack, **SQL RDBMS**, and React UI to streamline degree tracking process for students, eliminating staff workload for **data entry by 35+%**.
- 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

Nov 2018 - Aug 2021

Yardi Systems Inc. | *AGILE, REST, C# .NET, Azure, Angular JS, NodeJS*

Pune, IN

- Orchestrated **REST API development**, adhering to industry standards, optimized for 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 35% 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