

# Mithilesh Bade

Software Engineer with 2+ years' Experience

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## EDUCATION

**Illinois Institute of Technology** – Master's Degree Computer Science: Chicago, IL, USA

August 2022 – May 2024

**Mallareddy University** – Bachelor's Degree in Computer Science: Telangana, INDIA

August 2016 – August 2020

## EXPERIENCE

**Medley Med – Software Engineer:** Python, Django, Frappe, MariaDB, MongoDB, JavaScript, RestAPI

Jan 2021 – July 2022

- ❑ Leveraged **MariaDB** and advanced **SQL queries** to create comprehensive reports, empowering the Operations team with predictive stock analysis capabilities.
- ❑ Integrated **API services in Django Rest Framework** and Frappe ERP Next to enable direct SMS and EMAIL push notifications, driving 80% of customer interactions.
- ❑ Implemented **JavaScript** validations, reducing manual errors by a staggering 95% in CSV data uploads.
- ❑ **Automated backend Admin processes**, enabling seamless stock transfers and inventory updates across platforms using **APIs**, resulting in a notable 10-15% increase in project productivity.
- ❑ Designed validation mechanisms in a **custom JS page** for streamlined billing of medicines. Implemented Line-wise and Overall Discount **functionalities within the Frappe Framework**.
- ❑ Proficiently integrated dynamic data into the Home Page and Cart Page using **Jinja V2, bootstrap 4, HTML5, and CSS3**, bringing UI screens to life.
- ❑ Developed a Python-based "Returned Orders" module to efficiently handle expired stock returns, leading to a substantial 60% improvement in inventory space utilization.

**KT Technologies – Web Developer:** Java, Spring Boot, XML, API

May 2020 – November 2020

- ❑ Configured Spring Integration **XML** to efficiently route requests to relevant databases, boosting functional operations by an impressive 50%.
- ❑ Implemented **Java EE components** using Spring MVC, Spring IOC, Spring Transactions, and Spring Security Modules, resulting in enhanced application performance and fortified data protection.

**NSIC Pvt Ltd– Cloud Support Engineer (Summer Intern):** AWS EMR, EC2, BOTO3, Spark, Hadoop, S3

May 2018 – July 2018

- ❑ Successfully created client instances using **EMR and EC2**, delivering powerful Spring and Hadoop applications. Monitored cloud services on **AWS with Boto3**, ensuring smooth operations and optimal performance. Implemented elastic scaling and image backups for enhanced reliability.
- ❑ Proficiently deployed and managed cloud resources, such as **EC2, S3, and RDS, on AWS**. Expertly handled Spring deployments, safeguarding data integrity through image backups. Efficiently utilized elastic scaling to optimize resources and boost overall efficiency.

## SKILLS

- ❑ **Languages:** Python, R, Golang, Java, JavaScript, C, C++, Dotnet, Ruby
  - ❑ **Frameworks:** Django, Flask, Frappe, React.js, Angular, Express, Node.js, Django Rest Framework API, Frappe API, Rapid API, Postman API, Spring Boot, Bootstrap, Angular, Express.js, Ruby on Rails, .NET
  - ❑ **Libraries:** NumPy, SciPy, Pandas, Matplotlib, Material, Redux, React, ReactJS
  - ❑ **Databases:** MariaDB, MongoDB, PostgreSQL
  - ❑ **Dev Tools:** Visual Studio Code, Git, Gitlab, Postman, Eclipse, PyCharm, Jenkins, Docker, Kubernetes, Terraform
  - ❑ **Cloud Platform Skills:** Amazon S3, Amazon EC2, AWS Command Line Interface (CLI), AWS Identity and Access Management (AWS IAM), AWS CloudFormation, AWS Lambda
  - ❑ **Constructive Skillset:** Problem Solving, Debugging, Algorithms and Data structures, Object Oriented Programming, Unit Testing and Test-Driven Development
- Scripting:** Bash, PowerShell  
**Web Servers:** Apache, Nginx  
**Version-Control:** Git, SVN

## PROJECTS

**Sponsor-Check:** JavaScript, Rest API, Web scraping -

November 2023

Developed a Chrome Extension for web scraping and integrating LinkedIn Job Search APIs to verify company sponsorships, reaching over 2500 LinkedIn users with 50-55 active users.

[Git Source Code](#)

**Shirt-Scraper:** Python, CNN, CV2, NumPy, Flask, RESTAPI –

November 2023 – Present

The Flask application utilizes CNNs to recognize and extract shirts from images, offering purchase links for the identified apparel, akin to a web-based Google Lens alternative.

[Git Source Code](#)

**Home Hub** Node.js, Express, JavaScript, MongoDB, PostgreSQL

August 2022 – January 2023

A **CRUD application** exposed using a RESTful API made with Node.js. Exposed POST, GET, PATCH and DELETE HTTP methods using **Express**

[Git Source Code](#)

## ACHIEVEMENTS

- ❑ Award of Excellence | Q3, 2020 | KT Technologies | Web Intern
- ❑ TCS Code Vita Problem Solving | Rank 84 | 2021