

Rakesh Baddi

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EDUCATION

Northeastern University, Boston, MA

Sep 2021 - April 2023

Master of Science, Information Systems

Visvesvaraya Technological University, India

Aug 2014 - June 2018

Bachelor of Engineering, Computer Science and Engineering

TECHNICAL SKILLS

Programming: Java/J2EE, JavaScript, Python, C, C++, Spring Boot/MVC, JSP, NodeJS, ExpressJS

Web Technologies: HTML/CSS, Bootstrap, jQuery, ReactJS, AngularJS, VueJS, Redux, RESTful API

Cloud: S3, EC2, SNS, SQS, IAM, ECS, Lambda, VPC, Cloudwatch, Cloudfront, Cloudformation, CodeDeploy

Database: MySQL, MongoDB, DynamoDB, AWS RDS, Hibernate

Tools/CI/CD: Git, Docker, Selenium, Maven, Serverless Framework, GitHub Actions, Terraform

CERTIFICATIONS

- AWS Certified Solutions Architect - Associate
- Oracle Certified Associate, Java SE 8 Programmer

WORK EXPERIENCES

Thermo Fisher Scientific, United States

June 2022 - Dec 2022

Software Engineer

- Designed and developed an interactive web-form with more than 300 fields, using **VueJS**, **Python** and **Serverless framework** to automate the process of managing products in 10+ different ERP systems
- Created a real time request tracking system and approval funnel for requests, leveraging **AWS** services like **DynamoDB**, **SQS**, **SNS** and **S3**
- Built and deployed serverless RESTful APIs using Python, and utilized mock testing to ensure reliability
- The new tool reduced the process turnaround time by 50-70% and is expected to avoid revenue slippages

Tata Consultancy Services, India

July 2018 - Jan 2021

Full Stack Developer

- Constructed modular and reusable **ReactJS** components and managed application state with **Redux**, resulting in a 20% performance improvement, and used Jest for unit testing
- Developed scalable **RESTful API** using **NodeJS**, **Express** to interact with **MongoDB**, and implemented security using **JWT**, **OAuth**
- Implemented and extended features on a **Java Spring** application with JSP and MySQL database, employed JUnit testing for better coverage and improved application quality
- Developed multiple responsive, dynamic user interfaces using **HTML**, **CSS**, **Bootstrap** and **JavaScript**

Zeel Code Labs, India

Feb 2018 - May 2018

Software Engineer Intern

- Built an Inventory Management System using Java and **AngularJS**, designed the database using **MySQL** and built the dashboard for billing of materials and material requirement planning
- The new application reduced time spent in inventory management by 45% and operational cost by 30%

PROJECTS

Blog Website

(**AngularJS** | **NodeJS** | **ExpressJS** | **MongoDB**)

- Designed a blog website using **AngularJS** where users can publish, view, modify and delete blog articles
- Created API endpoints using Express, and used partials for enhancing performance and load time by 30%

Fitness Studio Management System

(**Spring MVC** | **Hibernate** | **MySQL**)

- Developed a **Spring MVC** application to manage a fitness studio with CRUD functions and multiple roles
- Implemented member & employee registration, tracking of equipment and feature to create events/offers

MySpace - Personal Assistant

(**ReactJS** | **NodeJS** | **Express** | **MongoDB**)

- Designed and developed a full stack web application with features like to-do list, expense tracker, weather
- Integrated NEWS and Weather API for displaying weather and news, and JWT for user authentication