Deepak Kakarla Matham

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I am a computer science graduate student, actively seeking internships/full-time positions.

EDUCATION

MASTER'S IN COMPUTER SCIENCE | GEORGE MASON UNIVERSITY
August 2021 to May 2023 | 3.33 GPA
Coursework so far: Cloud Computing, Software Engineering, RDBMS, C, Mathematics.

WORK EXPERIENCE

SENIOR FULL STACK DEVELOPER | ACCENTURE, INDIA - SPRING BOOT, ANGULAR, MICROSERVICES
February 2018 to August 2021

- Collaborated with FIAT CNH Industrial software architects to migrate their legacy web application to a RESTful webservices software, used by 11000 FIAT CNHI dealers worldwide to order spare parts.
- Spearheaded several teams in an agile methodology to lay out systems design and develop microservices while adhering to optimal algorithms / data structures and design patterns.
- Made single-page applications using Angular on front-end to make asynchronous REST calls to back-end, which enhanced the app speed by 25 percent.
- Accomplished the 2 week deliverables in less than 1 week for several sprints and significantly brought down associated budget, thereby boosting CNH Industrial's yearly revenue by 7 billion USD in 2020.

SOFTWARE ENGINEER | ACCENTURE, INDIA - STRUTS JSP, MY SQL
February 2017 to February 2018

- Replaced a 4 member senior team and took over the development tasks of an existing struts mvc web application serving orders of Fiat Chrysler Automobiles dealers from 130 countries, accounting for over 1.5M monthly visits.

PERSONAL PROJECTS

https://github.com/whoisdeepak

SOCIAL MEDIA WEB APP - SPRING BOOT, REACT NATIVE, RESTFUL WEB SERVICES, JAVA, MYSQL, HEROKU
January 2021 to March 2021

- Created a lightweight replica of the social media app - Instagram™ using React, Spring Boot and SQL.
- It boasts all major features of Instagram like media sharing, messaging, social networking etc.
- Backed by single page applications, asynchronous REST APIs, redis caching etc., it has 75 percent faster page-reloads and the entire app is running on Heroku cloud.

VIDEO STREAMING WEB APP - REACT.JS, REDUX, NODE.JS, MONGODB
March 2020 - June 2020

- Created a video streaming app, similar to Netflix™, that lets users stream videos over the web posted by the admin.
- Authenticated, authorized users using JWT and implemented signup, login via facebook, google accounts using OAuth 2.0
- Developed an admin dashboard allowing intuitive insertion, updation of content and monitoring of user analytics.

ALGORITHMIC TRADING BOT - PYTHON, MACHINE LEARNING, AWS
August 2020 to December 2020

- Built a fully automated, ML-based trading bot that performs technical analysis of cryptocurrencies using technical indicators like MACD, RSI etc., eliminating human intervention by 25 percent.
- Extracted equity data from yahoo finance and tested trading algorithms live on FXCM exchange.

SKILLS

LANGUAGES : Core Java • Python • HTML • CSS • Javascript • Typescript
FRAMEWORKS/IDE/BUILD : Spring Boot • Angular • React • Spring Tool Suite • MS Visual Studio Code • IntelliJ • Maven
VERSIONING/PROJECT MANAGEMENT/TESTING: GitHub • Bitbucket • Jira • Confluence • OpenAPI / Swagger • JUnit
CLOUD/DEVOPS/DBMS : AWS • Docker • Jenkins • Kubernetes • MySQL • MongoDB • JPA / Hibernate