

Deepak Kakarla Matham

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EDUCATION

MASTER'S IN COMPUTER SCIENCE | GEORGE MASON UNIVERSITY

Aug 2021 - Aug 2023 | 3.33 GPA

Coursework so far: Algorithms, Cloud Computing, Software Engineering, Databases.

WORK EXPERIENCE

SENIOR SOFTWARE ENGINEER | ACCENTURE, INDIA - JAVA MICROSERVICES

June 2019 - Aug 2021

- Collaborated with FIAT CNH Industrial software architects to migrate their legacy web application to a RESTful webservice-backed portal, used by 11000 FIAT CNHI dealers worldwide to order spare parts.
- Spearheaded a 4 member team in an agile methodology to develop back-end RESTful APIs in a microservices architecture and wrote JUnit tests to increase efficiency by 50 percent.
- Worked closely with front-end Angular team for seamless integration with back-end, which boosted the app speed by 25 percent and bolstered the UX scorecard.
- 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.
- Leveraged latest technologies like Spring Boot, Spring Security, Netflix OSS libraries, Java 8.

SOFTWARE ENGINEER | ACCENTURE, INDIA - STRUTS JSP

Feb 2017 - June 2019

- 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>

INSTAGRAM CLONE - SPRING BOOT, REACT NATIVE, MYSQL, HEROKU

Jan 2021 - March 2021

- Created a lightweight clone of the social media app - Instagram™ using React, Spring Boot and MySQL.
- It is backed by single page applications, asynchronous REST APIs, redis caching etc., that improved page-reloads by 75 percent and the whole app is deployed on Heroku cloud.

NETFLIX CLONE - REACT, NODE JS, MONGODB

March 2020 - June 2020

- Created a video streaming app, similar to Netflix™, using React and Node.js
- Authenticated, authorized users using JWT and implemented signup, login through facebook, google accounts using OAuth.
- Developed an admin dashboard allowing intuitive insertion, updation of new content and monitoring of user analytics.
- Used MongoDB to implement database, which reduced the data manipulation time compared to rdbms, by 50 percent.

ALGORITHMIC TRADING BOT - PYTHON, MACHINE LEARNING, AWS

Aug 2020 - Dec 2020

- Built a fully automated, ML-based trading bot that performs technical analysis 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/Frameworks: Java 8 • Python • Javascript • HTML • CSS • Spring Boot • Angular • Hibernate

IDE/Server/Build Tools: Spring Tool Suite • MS Visual Studio Code • IntelliJ • Tomcat • Maven

Versioning/Project Management Tools: Git • Bitbucket • Jira • Confluence • Swagger

CLOUD/DevOps: AWS • Docker • Jenkins