





Kaushik Malikireddy

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EDUCATION

Northeastern University, Boston, MA

Sep 2023 - May 2025

Master of Science, Software Engineering Systems

Coursework : Object Oriented Design with Java, Web Design, Database Design

PES Institute of Technology, Bangalore, India

Aug 2016 - Aug 2020

Bachelor of Engineering, Computer Science Engineering

Coursework : Data Structures, Web Development, Software Engineering

TECHNICAL SKILLS

Computer Languages	JAVA, Typescript/Javascript, HTML, CSS(SCSS/SASS), Node, Linux, Python, C
Databases & Frameworks	Angular, React, ExpressJS, MySQL, SQL Server, MongoDB
Software Tools	Azure DevOps, Git, Sonarqube, Figma, REST API, Postman
Misc. Skills	Azure cloud, Data Structures, Android Dev, Agile, Scrum

EXPERIENCE

ABB Global Industries & Pvt Limited

Jan 2021 - Aug 2023

Associate Software Engineer

- Conducted requirement analysis, design, development, testing, deployment, and maintenance (SDLC).
- Worked with production development and Azure deployment for 6+ versions of the company's flagship product (GENIX)
- Created a Web/Mobile platform linking 35+ IT, 15+ management systems, to show 100+ KPI to report carbon emissions.
- Engineered Web platform using **Angular** empowering business users to slash data collection and consolidation time from 10,000+ assets, collected from distributed Industrial sensor systems, by a minimum of 50%.
- Fortified Azure CI/CD with third-party scans, automating and enhancing bug & vulnerability detection by 25%.

Big Data Science Research

Nov 2020 - Jan 2021

Software Research Intern

- Used Splunk to create 10+ dashboards from Out of Memory and Health logs, boosting login and service issue detection by 20%
- Utilized advanced regular expressions for log pattern detection to enhance error prediction by 30%.

Maestro Digital Services

Jan 2020 - Mar 2020

Software Testing Intern

- Conducted exception & log analysis to identify and report errors, speeding up product software development.
- Incorporated Java applets, enhancing web page functionality and improving page load times by 20%.

PROJECTS

DiagnoVet: Web App to assist Veterinary Differential Diagnosis

- Ideated and built a Clinical decision support tool which reduces diagnosis time by approx 20 mins per day.
- Automated dosage recommendation and calculation for animals using React UI and NodeJS backend.
- Expedited search processes for healthcare professionals by 30%, enhancing efficiency in obtaining critical drug-related data.

ResQReach: Web App to Report Emergencies, Access Preparedness guides and leftover food

- Built a React web app with Node and MongoDB backend for disaster preparation, impacted 20+ people.
- Used feature APIs like nodemailer, stripe, redux, tailwind css and domain-driven UML to architect the application.

Cafe Management System in Java

- Java-based application designed to simplify and speed up the operations of a cafe by ~15%.
- Built on Swing GUI and MySQL database with Object Oriented programming and Design Patterns.

ACHIEVEMENTS

- **Best Social Service Club Award:** Rotaract club, 20 members, 100+ community centric projects, earning 7+ district awards.
- **Top 5 PES Hack:** 10 messages/minute data transfer via high-pitched sound encoding with 98% decoding accuracy.
- **2nd at ABB HackSummit:** Emergency alert system using Computer Vision, 95% accuracy in detecting human falls.