Yash Ananta Zode

https://github.com/YashZode | yashzode@uwm.edu | https://www.linkedin.com/in/yashzode

+1-414-736-7662 | 2968 North Oakland Avenue, Apartment number: 4, Milwaukee, Wisconsin- 53211

WORK EXPERIENCE

- Junior Software Engineer | Cognizant Technology Solutions Corp| Nov 2022 to Aug 2023
- Junior Engineer | Comau India Pvt.Ltd | Oct 2020 to Nov 2022
- Internship Trainee | Comau India Pvt.Ltd | Nov 2019 to Aug 2020
- Software Intern | Indeed Inspiring Infotech | Nov 2017 to June 2018

SKILLS

Programming Languages: Python, Java, C++, C, JavaScript, HTML, and CSS.
Web Technologies: Rest API Development, Angular, React.
Machine Learning: Pandas, NumPy, Linear regression/ Logistic regression, Skip-Gram/Cbow model.
Cloud Technologies: Amazon Web Services (AWS) and Azure.
Technologies: RabbitMQ, SQL/NoSQL, Postgres, Spring Boot, Microservices, Docker, NodeRed, Jenkins, GitHub, continuous integration, Spring-framework.
Networking Protocols: OPCUA, OPCDA, IPv4, and Ipv6.
Automation Testing: API Automation, Web Automation and database automation using Robot Framework, unit testing.
Certification: Red Hat Certified System Administrator (RHCSA)

EDUCATION:

Computer Science - Master's Degree, University of Wisconsin Milwaukee (Pursuing)   September/5/2023 – August/31/2025
Computer Science – Bachelor of Technology Degree GHRCEM, Pune, India – 8.78/10 (CGPA)   June/01/2016 – May/15/2020

COMPANY SPECIFIC PROJECTS:

File Operations and logging application | Junior Software Engineer | Cognizant Technology Solutions Corp

- Build an application to log file operations and to log file operation data for client who needs to monitor file operations during production phase. Technology used Java, spring boot and H2 database. This application records the details of all users who perform file operations on databases.

IOT Web platform for Plant Control and Monitor | Junior Engineer | Comau India Pvt.Ltd

- MES platform controls and monitor manufacturing assembly line. MES acquires performance and process data from PLCs to increase productivity, reduce maintenance cost, improve quality and enhance production of plant. MES has micro service architecture in order to better accommodate different customer requests and ease customization and deployment. It communicates with field devices by means of software data collectors using a RabbitMQ. It saves all production data on database. It communicates with upper layer systems and UI by means of REST APIs.

FilesCollector Application | Junior Engineer | Comau India Pvt.Ltd

- Developed Files Collector Application which collects files from a folder and extracts meta-data from that file, which has been collected and it's been sent ahead to MES server through API in authenticated way. FilesCollector is a monolithic Java based application. Its configuration of filesCollector is exposed to customers, so they can change as per file location and MES server IP address.

FileTrasher Application | Junior Engineer | Comau India Pvt.Ltd

- Developed FileTrasher Application which deletes files inside a folder after a fixed number of intervals and also has a crown job schedule the operations. The configurations exposed to customers are file-location, file-type, delete-Files-After-Days and schedule-time. These configurations are flexible and understandable to the end user by which they can modify in future.

In.Grid Android Application| Junior Engineer | Comau India Pvt.Ltd

- Developed an android application to display alarms that occur during the production phase. This android platform connects to services of Thingworx in the same network. In.Grid IOT platform connects machines and Robots in order to acquire performance and process data to increase productivity, reduce maintenance costs, improve quality and enhance production of plant. Thingworx tool is used for development of platforms on Windows systems. Java script coding is required for services to access databases.

ACADEMIC PROJECTS:

Card Payment Using Three Way Security

- Build Card Payment Using Three Way Security to provide three way security to access to access bank account. In this project Honey word generation algorithm OTP and Bio metric security are used.

Examination Paper Setting Automation Management System

- Build Examination Paper Setting Automation Management System **t**o avoid leakage and creating a unique paper ID of question papers and giving a secure portal to authorized faculty member to upload question on portal.

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RESEARCH PAPERS

- Card Payment Using Three Way Security. (Journal: JETIR, published on : February-2020)
- Geographic Routing In Duty-cycled Industrial Wireless Sensor Networks with Radio Irregularity. (Journal: IJEDR, published on: May-2017)
- Energy: Rechargeable Batteries and Sustainable Development. (Journal: IJETSR, published on February- 2015)