

Yash Ananta Zode

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HIGHER EDUCATION

- Upcoming Fall 2023 Student : University of Wisconsin Milwaukee, WI 53211, USA.
- Degree Program : Master's in Computer Science.

SNAPSHOT

- 2 years and 7 months of industry experience in development of Full Life Cycle Projects.
- Depth in supporting development of software products/projects from inception, requirement specifications, planning, designing, implementation, commissioning and customer interaction.
- Well versed in designing for technologies like Multithreading application, O.S. Platforms.
- An energetic, self-motivated individual with interest in programming and learn new things quickly.
- At Comau Hackathon for IOT based POC, received 1 award for Best individual performance.

EMPLOYMENT SCAN

- Nov 2017 to June 2018 (7 months) with INDEED INSPIRING INFOTECH, as SOFTWARE INTERN.
- Nov 2019 to Aug 2020 (9 months) with Comau India Pvt.Ltd., Pune INTERNSHIP TRAINEE.
- Oct 2020 to Oct 2021 (1 year) with Comau India Pvt.Ltd., Pune ENGINEER TRAINEE.
- Oct 2021 to Nov 2022 (1 year and 1 month) with Comau India Pvt.Ltd., Pune JUNIOR ENGINEER.
- Nov 2022 to Present with Cognizant Technology Solutions Corp, as Programmer Analyst.

CORE COMPETENCIES AND TECHNICAL SKILLS

Operating Systems	:	Windows XP, Linux, Embedded Linux.
Development Tools	:	MS Visual Studio, Eclipse, CVS, Git, JIRA, Thingworx, IntelliJ, Postman, Jenkins, SonarQube, Qualys, Burp suite, Prometheus, J-Meter.
Programming Languages	:	Java, python, C++
Technologies	:	RabbitMQ, MongoDB, MSSQL, Postgres, Spring Boot, Microservices, Docker, NodeRed.
Protocols	:	OPCUA, OPCDA.

Functional

- Interacting with the customer team for requirements gathering & scoping.
- Handling architecture and designing the solution for the product.
- Undertaking development, code review, debugging, troubleshooting the application, Automation and Manual Testing.
- Resolving issues & defining best practices for project support and documentation.
- Commissioning and application sustenance support to the client.
- Managing team for process setup, Development, Task assignment and Release.

Key Projects Handled:

1. File Operations and logging application.

Role : Junior Software Engineer (Cognizant Technology Solutions Corp)

Environment : Java, Spring boot, H2 database.

Developed file operations and logging application, which records the details of all users who perform file operations on databases.

2. IOT Web platform for Plant Control and Monitor [MES (Manufacturing Execution System)]

Role : Junior Engineer. (Comau India Pvt.Ltd)
Environment : Java spring boot, Microservices, Docker swarm, Linux server.
Technologies : RabbitMQ, MongoDB, Postgres, OPCUA for PLC communication.

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 microservice 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.

3. FilesCollector Application

Role : Junior Engineer. (Comau India Pvt.Ltd)
Environment : Java spring boot, Microservices.
Technologies : RabbitMQ, Postgres.

Developed FilesCollector 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.

4. FileTrasher Application

Role : Junior Engineer. (Comau India Pvt.Ltd)
Environment : Java.

Developed FileTrasher Application which deletes files inside a folder after a fixed number of intervals and also has a cron 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.

5. In.Grid Android Application

Product : Android In.Grid IOT platform.
Role : INTERNSHIP TRAINEE (Comau India Pvt.Ltd)
Environment : Java, Android Studio

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.

ACADEMICS

1. Completed B.Tech in Computer Science, scored 8.78 / 10 (CGPA) and 9.73 / 10 (SGPA)
 2. Completed 12th from NOWROSJEE WADIA COLLEGE, scored 56%
 3. Completed 10th from ROSARY SCHOOL, PUNE, Scored 69%
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RESEARCH PAPERS

1. Geographic Routing In Duty-cycled Industrial Wireless Sensor Networks With Radio Irregularity. [\(Link\)](#)
2. Energy: Rechargeable Batteries And Sustainable Development. [\(Link\)](#)
3. Card Payment Using Three Way Security. [\(Link\)](#)

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ACADEMIC PROJECTS

1. Card Payment Using Three Way Security

Product : Security Product
Role : Backend.
Environment : Java,Php,Mysql.

To provide three way security to access to access bank account.Honey word generation algorithm OTP and Bio metric security are used in this system.

2. Examination Paper Setting Automation Management System

Product : Web Application
Role : Backend.
Environment : PHP,JavaScript

To 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.

3. Cloud Based storage application for departmental E-data.

Product : Software as a service
Role : Backend.
Environment : OwnCloud
Created Intra-Net Network to store Department E-Data into Cloud.

4. Enhance Life of a Person with Disability

Product : Windows application
Role : Backend.
Environment : c++

Created a portal to translate and convert images into voice messages for people with disabilities.

PERSONAL DETAILS

Date of Birth : 2nd Jan 1998
Languages : English, Hindi, Marathi.
