

EMPLOYMENT (EXPERIENCE : 3.5+ YEARS)

Senior Software Developer	NASDAQ	Nov 2022 - Present
<ul style="list-style-type: none"><li>Working as a full time Senior Software developer for NFF (NASDAQ Financial Framework) which is a technology platform that provides end-to-end solutions to financial infrastructure providers such as exchanges, clearing houses, central securities depositories, banks, and brokers.</li><li>As a Senior software developer at NASDAQ, my responsibilities include.<ul style="list-style-type: none"><li>Develop, maintain, and enhance the NASDAQ financial framework's Trade matching engine component called MME.</li><li>Work with other engineers to design, implement, and test new features.</li><li>Requirements analysis, coding, unit testing, and doing PoC of the new technologies that can improve the development streamline process.</li><li>Conduct code reviews and provide feedback to other developers.</li><li>Stay up to date on the latest technologies and trends in the financial technology industry.</li></ul></li></ul>		
Software Developer	Capsystematic technologies pvt ltd.	Dec 2019 – Nov
<ul style="list-style-type: none"><li>Worked on the capital markets software development where I was responsible for the analyzing, programming, unit testing and documenting of software components and features. Mostly worked on Java, Spring Boot, Python Flask, Informix, Docker, Apache Camel, Apache CXF, Orika, Mapstruct.</li><li><b>Zeus-GPI (General process interface)</b> - Developed critical SOAP and REST services and delivered ESB based solutions for delivering messages (like Swift MT and MX) from and to multiple different endpoints (like DB, MQ, SOAP, HTTP, Filesystem).</li><li><b>CMS (Card management System)</b> - Migrated the project from old (ProC code written in year 1993) code to new Java based code with the new and rich features of Spring boot and Spring cloud. Developed REST services for corporate cards and Payments for back office that serves both Acquires and Issuers and is typically used by banks and payment service providers.</li><li><b>Tool-suite</b> - Designed and developed an automation tool that generates the code (POJOs and Mappings) from SQL procedures and Swift MT and MX messages.</li></ul>		
SDE intern	Capsystematic technologies pvt ltd.	Sep 2019 – Dec 2019
<ul style="list-style-type: none"><li>Worked with Software engineering team for three months on fintech software development for financial and banking solutions with Java based technologies.</li><li><a href="#">Employee attendance management system</a> : Designed Employee attendance management system, used Java, JDBC, MySQL.</li></ul>		

LANGUAGES AND TECHNOLOGIES

- Programming Languages - Java, Python.
- Databases – Postgres, Informix.
- Libraries and Frameworks - Spring Boot, Flask, ReactJS (Basic).
- VCS - Git, Mercurial, GitHub, GitLab, Kallithea SCM.
- Other – Reactive Microservices, Pub-Sub (GCP), Docker, Apache Camel, Glassnost Orika, Mapstruct.

EDUCATION

Ahmedabad, India	Apollo institute of engineering	July 2015 - May 2019
<ul style="list-style-type: none"><li>B.E. in Information technology under Gujarat technological university. CGPA: 8.24/10</li><li>Main coursework: Data Structures, Design and analysis of Algorithms, Systems Design, RDBMS, Operating Systems, Software Engineering, Artificial Intelligence, Internet of Things.</li></ul>		

MAJOR PERSONAL PROJECTS

- [Maxine](#) : (2022) Maxine is a Service registry and a discovery server that detects and registers each service and device in the network and works as a reverse proxy to make each service available in loosely coupled manner. Maxine SRD solves the problem of hardwiring URLs to establish flawless communication between microservices. Maxine SRD can locate a network automatically making it so that there is no need for a long configuration setup process. Additional features of Maxine include service registry and discovery, auto load balancing between replicated nodes, customizable heartbeats, and optimal load balancing strategies to reduce the cost of scaling.
- [Complexica](#) : (2021) Web app to convert the black and white photos into coloured in just a few clicks. The output images look like they were taken coloured. Developed a deep learning model (Caffe model) to transform the B/W image into a coloured one, this model is trained to add colour in the black and white photo based on photo's b/w colour intensity, ratio, and exposure. Technologies that I used for this project are Python (Caffe, OpenCV, NumPy, Flask), ReactJS, Firebase & Heroku.
- [Quortex](#) : (2020) Question-Answer based web application created using Spring boot (REST-Services), Nginx (Reverse proxy & API Gateway) and Vue-material (Web-client). I created this project as a part of Q/A site of Eduwiz for students.
- [More projects.](#)