

Anirudh Vijayaraghavan

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Education

Master of Science, Software Engineering

Northeastern University, Boston, MA

Expected September 2024

- Coursework : Data Structures & Algorithms, Object Oriented Design, Full Stack Web Dev., UI/UX design

Bachelor of Technology in Electrical and Electronics Engrg.

SRM Institute of Science and Technology, Chennai, Tamil Nadu, India

May 2018

- Coursework : MATLAB, Computer Aided Design (CAD), Power Electronics, Power Systems, Circuit Theory, Power Generation

Work Experience

Technology Analyst

August 2018 - May 2022

Infosys Ltd., Chennai, Tamil Nadu, India

- Utilized IBM Mainframes platform, including COBOL, JCL Scripts, REXX Scripts, CHANGEMAN ZMF, IBM DB2, and ServiceNow to support critical IT applications and streamline development processes in an AGILE environment
- Spearheaded development, testing, and on-site production support of new applications with minimal downtime, reducing upkeep/maintenance costs by 14 %, fluently understanding Software Development Life Cycle (SDLC)
- Managed Disaster Recovery (DR) activities, and supervised I.T audits / data-flow audits, resulting in a 35 % decrease in recurring incidents and enhanced production stability
- Automated labor-intensive tasks using Mainframes Technology stack, resulting in a 15 % reduction in operational costs and increased team productivity
- Analyzed errors in legacy code during refactoring/maintenance phases, adopting testing methods (End-to-End, Integration, Sanity/Regression, Smoke) to ensure smooth continuous deployment process, and increase application uptime by 5 %
- Conducted Root Cause Analysis for production issues, drafted corrective action plans to improve application stability, and provide quality solutions for over 60 Back-end I.T. corporate applications
- Organized both client/user training and team training sessions, and created detailed technical documentations, leading to an increase in team uptime, overall proficiency, and reduced effort for recurring work by 2 hours/person/day
- Developed and enhanced Data-Warehouses, Repositories, Document Retrieval and Archival, FTP scripts, Reconciliation and other back-end Corporate applications, boosting overall efficiency
- Collaborated with clients to administer solutions, and exceed 100 % deliverables

Skills

Expert: COBOL, Job Control Language (JCL), REXX, IBM DB2, Changeman, Java, Javascript, HTML, CSS, Microsoft Office Suite, Figma

Advanced: Object Oriented Design, SDLC, Git, MongoDB, Express.js, Node.js, PostgreSQL, React.js, UX Research, Design Sprint

Familiar: Python, Blender, JIRA, Bitbucket, MySQL, RESTful API Design and Integration, Spring Boot, AWS, Docker, ServiceNow

Projects

Tanager & Trackr, Northeastern University, User Experience Design and Testing

February 2023 - April 2023

- Presented a case study (Tanager) of a social media app having twitter functionalities, but modified to augment a Fortune 500 online retailer such as Amazon. Designed a front end prototype of an ongoing passion project (Trackr). Utilized Figma for both
- Implemented 7 industry standard UX methodologies including Problem Statements, Empathy Maps, POV Statements, Hand sketches, Low Fidelity Wireframes, High Fidelity Prototyping, and Usability Testing
- Employed advanced prototyping features in Figma such as components, variants, embedded videos, plugins, smart animations, modals, to build realistic high fidelity prototypes with more than 40 frames each

E-commerce site for Clothing & Home decor, Northeastern University, Full Stack Web Dev.

September 2022 - December 2022

- Collaborated with a cross-functional team to design a UI Rich, Responsive e-commerce website using MERN (MongoDB, Express.js, Node.js, React.js) stack
- Executed user authentication using JWT (JSON Web Tokens), Integrated Stripe payment gateway to enable secure transactions, Implemented RESTful APIs to facilitate the frontend & backend, Responsive UX through React, Bootstrap & media queries

Daycare model application - Java Back-End, Northeastern University, Object Oriented Des.

September 2022 - December 2022

- Designed a Daycare center project in Java 8, tracking the students immunization records, using Object Oriented Design principles
- Applied Swing UI, Factory Design Pattern, Stream API for efficient data manipulation, Runnable Interfaces, Multi-threading to enable running of background tasks, CSV File input/output for information storage and retrieval, & Data Structures for processing