

Anirudh Vijayaraghavan

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Education

Master of Science, Software Engineering Systems

Northeastern University, Boston, Massachusetts

Expected August 2024

- GPA : 3.5 / 4.0
- Relevant Coursework : Data Structures and Algorithms, Concepts of Object Oriented Design utilizing Java, Web design and User experience Engineering, User Experience Design and Testing

Bachelor of Technology

SRM Institute of Science and Technology, Chennai, India

May 2018

- B.Tech, Electrical and Electronics Engineering
- CGPA : 7.5 / 10.0
- Relevant Coursework : Simulation using MATLAB, Digital Logic Circuits, Circuit Theory, Power Electronics, Power Systems Analysis, Computer aided design using OrCAD

Work Experience

Technology Analyst

August 2018 - May 2022

Infosys Ltd, Chennai, Tamil Nadu, India

- Operated Environment / Technologies / Tools : IBM Mainframes platform, COBOL, JCL Scripts, REXX Scripts, CHANGEMAN ZMF (Version Control System software for Mainframes), IBM DB2, ServiceNow
- Automated tasks to reduce labor costs and increase productivity, leveraging Mainframes Technology stack (JCLs, COBOL, REXX Scripts), bringing in revenue, and eliminating manual work
- Collaborated with onsite clients and other Senior Software Engineers to determine needs, and devise solutions, along with detailed procedures and documentations, to exceed 100% project deliverables
- Performed root cause analysis to provide resolutions for production issues. Drafted corrective action plans following root cause analysis. Worked as a key resource to support over 60 distinct IT applications
- Created technical documentations and led training sessions to educate team members on new systems and troubleshooting protocols. Corrective action plans and docs. decreased task completion time by 10%
- Developed, assisted, and improved the following types of applications, through debugging, and code remediation : Reconciliation systems, Data-Warehouses, Data-engineering systems, Database repositories employing IBM DB2 (SQL), FTP Protocol scripts, and other common back-end processing Corporate systems (PDF, e-mail, .csv and other report generation tools)
- Led DR activities, managed data-flow audits, as well as Production releases to remediate recurring bugs, resulting in a 35% decrease in recurring incidents, and tasks. Translated to thousands in monthly cost cut
- Analyzed errors in legacy code during refactoring / maintenance phase, adopting testing methods such as End - End, Integration, Sanity / Regression, Smoke. Led to 5% increase application uptime

Leadership Experience

Senior Systems Engineer

January 2020 - November 2021

Infosys Ltd., Greater Chennai Area, India

- Guided a team of 6 new members and raised productivity in a matter of weeks, overseeing knowledge transfer sessions and presentations
- Awarded a Company-wide domain excellence recognition and prize for outstanding project deliverables
- Took up sole responsibility as well as partial on-site duties for a set of applications, and received commendations / recognition for a seamless transition on the same

Technical Skills

Programming Languages: COBOL, Java, Python, Javascript

Web Technologies and Frameworks: HTML5, CSS3, Javascript, MongoDB, Express.js, Node.js, PostgreSQL, React.js

IBM Mainframes platform: Job Control Language, COBOL, REXX Scripts, IBM DB2 (RDBMS for mainframes)

Version Control Systems: Git, Github, CHANGEMAN ZMF (for mainframes)

Other Softwares / Platforms: VSCode, IntelliJ IDE, Atom text editor, ServiceNow, Splunk dashboard, Z/Os, Microsoft Office Suite (Proficient)

Research

An Improved ZCS ZVS DC-DC Converter with Nine Level Inverter, International

February 2018 - May 2018

Journal of Pure and Applied Mathematics

- Proposed a new, improved zero-current switched (ZCS) and zero-voltage switched (ZVS) DC/DC converter with a standard nine level inverter
- Built to work with a 12V DC input, such as a simple solar panel, and produces a 320 VAC output
- Lowered total harmonic distortion, and has an inherent self-voltage balancing ability, operating the 9 Level Inverter

Additional Information

Languages : English (Native), Tamil (Native), French (Limited working proficiency)

Musical Instruments : Piano Grade 7 ABRSM (Associated Board of the Royal Schools of Music) certified, Performed in concerts for Cristofori music school, Singapore

Swimming : Placed 2nd overall in a Swim meet, hosted by Madras Gymkhana Club