BHARGAVI KRISHNAMURTHI

Passionate Software Engineer actively seeking opportunities to learn new technologies and contribute to innovative projects in a collaborative environment.

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Work Experience

Software Engineer
Juhomi | Chennai, India

Oct 2021 - Jul 2023

- Program developer: Contributed as a Full-Stack Web Developer for a US-based startup client
- Led the development, maintenance, and re-factoring, accounting for 40% of the dynamic web application using the MVC framework (Ruby on Rails)
- Achieved a 5% increase in web traffic and maintained web engagement for long period
- Acquired and applied UI/UX design to ensure seamless and responsive user experiences across diverse devices
- Integrated third-party APIs for mailing and data analytics to enhance website functionality
- Collaborated with interdisciplinary team to optimize website performance and reduced page load times by 20%
- Assisted in troubleshooting and debugging issues, ensuring the stability and functionality of web applications
- Played a key role in collaborative development projects, actively contributing to a streamlined and efficient delivery process
- Managed two distinct projects simultaneously, demonstrating strong multitasking and project management abilities
- Participated in a month-long React project, gaining hands-on experience with fundamental React concepts and contributing to front-end development tasks

Associate Software Engineer
Accenture | Chennai, India

Sep 2017 - Jul 2019

- Manual Tester: Improved SAP EWM system stability by reducing defects by 15% through comprehensive regression testing efforts.
- Performed Unit and Smoke Testing on SAP EWM system components, ensuring functionality and resolving discrepancies
- Utilized SAP MM tools to perform a wide range of warehouse management tasks, standardized organization of products from inbound to outbound processes
- Prepared test plans, executed end-to-end functional testing and delivered defect free projects
- Collaborated with the Automation Testing Team to streamline the execution of test cases, enhancing the efficiency and effectiveness of the testing process, ensuring comprehensive test coverage
- Volunteered in document management throughout each testing cycle and liaised with associated teams

Core Skills

Tools: Visual Studio Code, Atom, Sublime Text, Vagrant, Git, Docker, Yarn, Apache Server, Bundler,
Languages: Ruby on Rails, Python, JavaScript, JAVA, C++, REACT, Django

Framework and Libraries: Ruby Gems, Active Record, Active Storage, Web packer, Devise, Action Controller, Rspec, Sinatra, Sidekiq, Puma,
Data management: MySQL, SQLite, PostgreSQL

Web Development: HTML5, CSS3, SASS, jQuery, Hot Wire, Tailwind CSS, Bootstrap
Platform: Engine Yard, Mail Gun, AWS, GitHub, Heroku, SAP- EWM, SAP- BI, SAP-MM, Linux/Ubuntu Environment, JIRA

Testing: Rspec, system testing with Capybara, SAP Testing (Regression, Unit, Smoke).

Academic Projects

Java Play Store Clone with Fake Review Detection

Technologies Used: Java SE, MySQL

Developed a virtual Play Store platform to enhance user trust by filtering out fake reviews. Implemented a custom algorithm for fake review detection using keyword analysis and text pattern recognition.

Machine Learning Crime Prediction Application

Technologies Used: Streamlit, scikit-learn, Python

Developed a predictive analytics web application to forecast crime trends based on geographical data. Enabled users to search for crime types by area and time, enhancing public safety awareness.

React Financial Data Visualization Dashboard

Technologies Used: React JS, Tailwind CSS

Developed a responsive financial dashboard to visualize Apple Inc.'s annual income statements using Financial Modeling Prep API, featuring dynamic filtering and sorting capabilities for various financial metrics and performance indicators. https://finance-table.vercel.app/

Operating Systems and Database Systems Projects

Technologies Used: C++, Docker

Implemented core operating system concepts such as memory management, process scheduling and database management, passing test cases for functionality and performances.

C++ Client-Server Text Chat Application

Technologies Used: C++, TCP/IP sockets

Engineered a text chat application to facilitate real-time communication between multiple clients

Hotel Management System

Technologies Used: Python, Django, MySQL

Created a comprehensive hotel management application to streamline booking and guest management. Designed user interfaces for room reservation, guest information management, and billing functionalities.

Education

State University of New York

Master of Science Computer Science and Engineering   Aug 2023 - Dec 2024

Anna University

Bachelor of Engineering Computer Science and Engineering   Aug 2013 - May 2017