Ritesh Brar

608-724-4822 | rbrar8269@gmail.com | linkedin.com/ritesh | github.com/ritesh

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (MySQL), JavaScript, HTML/CSS, PHP
Frameworks: React, Node.js, Express.js, CodeIgniter, .NET, Flask, React Native
Developer Tools: Git, Docker, Google Firebase, VS Code, Visual Studio, PyCharm, IntelliJ, Expo
Libraries: TensorFlow, OpenCV, pandas, NumPy, Matplotlib
Certificates: Amazon Web Services Certified Cloud Practitioner [CLF-C02]

EXPERIENCE

Software Support Engineer — Nov 2024 – Present
American Packaging Corporation — *Columbus, WI*

- Developed a full-stack web application using CodeIgniter, JavaScript, MySQL and Bootstrap to print labels on 100+ Zebra printers across 5 plant locations.
- Set up email notifications through scripts using PowerShell and an SMTP server, for monitoring changes in files on the multiple servers.
- Conducted product testing for in-house applications, identifying critical bugs and performance bottlenecks, ensuring a successful roll-out of new features on shop-floor devices.

Software Engineering Intern — Jun 2023 – Aug 2023
Volvo Cars USA — *Mahwah, NJ*

- Reduced API downtime by 70% by implementing over 60 synthetic checks with automated alerting, resulting in enhanced monitoring and support of all data pipelines and endpoints.
- Partnered with engineers from other teams for developing dashboards using telemetry data, aimed at optimizing team efficiency leading to a 30% improvement in data visibility and operational clarity.
- Spearheaded bi-weekly meetings planning a blueprint for future dashboards ensuring uniformity along all the teams with compliance to company user-interface specifications.

PROJECTS

Online Art Store | *JavaScript, React, Node, Bootstrap, Google Firestore, PayPal Buttons* — Jun 2024 – Sep 2024

- Developed a dynamic full-stack web application and deployed using a CI/CD pipeline through Netlify.
- Used a simple User Interface for a hidden inventory management system available only to the business owner that allows them to update inventory details and display photos with ease.
- Incorporated payments with PayPal Buttons and confirmation emails via EmailJS to simulate the full experience of an e-commerce platform.

BadgerChat | *JavaScript, React Native, Expo* — Nov 2023 – Dec 2023

- Built a multi-platform full-stack mobile chatroom application with dynamic navigation, and integrated API calls to fetch chat rooms and display messages.
- Introduced user authentication flows using JSON Web Tokens (JWT) to manage access to chat rooms while also providing a 'Guest mode' with only read-only capabilities.
- Implemented core CRUD operations for messages within chat rooms while restricting users to only being able to update/delete their own messages.

EDUCATION

University of Wisconsin - Madison — Madison, WI
Bachelor of Sciences in Computer Science — *Aug 2020 – May 2024*

Coursework: Data Structures and Algorithms, Object-Oriented Programming, Operating Systems, Software Development, Continuous Integration and Development, Version Control, Machine Learning, Mobile Application Development, Data Science Programming, Web frameworks, A/B Testing, UI/UX.