

SHWETA KAILAS KOHINKAR

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PROFILE

Experienced software developer in an **Automotive** domain with over 4.5 years of experience in **C#, Java, SQL, JavaScript, React**, and related technologies. Proficient in analysis and debugging with a commitment to delivering high-quality solutions that align with business objectives.

EDUCATION

DePaul University, Chicago, IL

Master of Computer Science

Honor: Received Graduate Assistantship Award. (Graduate Teaching Assistant) – C#, ASP.Net, WPF, SQL, Java, Python

03/2022 - 03/2024

GPA: 3.88/4

Savitribai Phule Pune University, Maharashtra, India

Bachelor of Engineering in Computer Engineering

06/2013 - 05/2017

GPA: 3.86/4

SKILLS

- **Programming Languages:** C#, Java, WPF, ASP.Net Core, UX/UI, Swift, HTML5, CSS3, Sass, JavaScript, C, C++, LINQ, TypeScript, Python
- **Frameworks:** .NET Framework 4.0 and higher, React, Angular, Spring Boot, Express, Node.js, NPM.
- **Databases:** MySQL, Oracle PL/SQL, MS SQL Server, MongoDB, NoSQL, SQLite, PostgreSQL, T-SQL
- **IDE:** IntelliJ IDEA, Microsoft Visual Studio 2015 and higher, Microsoft Azure DevOps, AWS, Visual Studio Code, Tableau.
- **Version Control/Others:** SVN, Git Hub, Jira, Docker containers, Kubernetes, Jenkins, Postman, Rest APIs, SOAP, IIS, RPC, Selenium.
- **Other Skills:** Communication skills, Customer Service, Collaboration, Linux/Unix, Service Now ticketing, Splunk, Agile methodology, Kanban, Web Applications, Microservices, Debugging, Unit Testing, Data visualization, Integration testing, A/B testing, End-to-End, full software development life cycle (SDLC), CI/CD, project architecture, Design Patterns, HTTP, TDD/BDD.

WORK EXPERIENCE

DEPAUL UNIVERSITY, iD Lab | Software Developer | Microsoft Azure Compute, ML, Storage, Python, OpenCV, Node JS 04/2023 - Present

- Orchestrated real-time **detection** of the user's **face** and test card using a seamlessly converted **YOLOv8** model to **TensorFlow.js**, displaying bounding boxes for detected samples, ensuring 95% accuracy in the COVID test process monitoring.
- Integrated **TensorFlow.js** model into **React** by implementing **HTML/SCSS** and **JavaScript**, leveraging **Restful APIs** for seamless communication with the back end resulting in a 10% reduction in inference time.

TATA CONSULTANCY SERVICES Ltd. (Nissan)

Software Developer & Onsite Coordinator | C#, Java, ASP.Net Core, WPF, Angular, MVC, MS SQL, T-SQL, JavaScript.

Japan and India

01/2020 - 03/2022

- Spearheaded cross-functionally end-to-end development of a **Computer Vision** system using **WPF**, integrated with VT system, **Vector CANoe**, **Ethernet**, and **CAN** interface devices on a vehicle and generated 95% accurate evaluation reports.
- Constructed a comprehensive application using **ASP.NET Core**, **C#**, **TypeScript**, **Angular**, and **Swagger** with a **RESTful web services** for meter variant configuration and data storage using **MS SQL server**, featuring **XML** output for enhanced data interoperability.
- Integrated a **Python**-based **OCR** solution into a **.NET** framework, achieving up to 90% text detection accuracy and significantly improving customer satisfaction metrics.
- Directed and managed a **cross-functional** team of 5 for subdomain migration project from monolithic architecture to **microservices** architecture using **Java**, **Spring Boot**, **T-SQL**, **Rest API**, **Angular**; refined for efficiency and maintainability.
- Spearheaded the configuration of a robust Jenkins **CI/CD** pipeline, integrating with **GIT** for seamless automation of the deployment process.

System Engineer | C#, .NET, WinForms, Excel, C++

01/2019 - 12/2019

- Devised a **WinForms application** with an intuitive user interface for comprehensive vehicle meter testing, utilizing a client-specified State Transition Matrix, resulting in a 20% improvement in test execution speed.
- Leveraged Vector CANoe and VT systems to execute **automated test** case files, enabling rigorous **Unit** and **Integration** testing of the vehicle's meter dashboard and dynamics, yielding an exceptional 98% pass rate, while prioritizing **scalability** and **reliability**.

Associate System Engineer | C++, C, C#, .NET, MVC, WPF, Xamarin

09/2017 - 12/2018

- Created **C# WPF hardware-in-loop simulation (HIL)** app with robust object-oriented programming techniques, leveraging an **XML** database file to check the communication between different **ECUs** of Meter, yielding a notable 25% reduction in testing time.
- Boosted testing efficiency by leveraging Vector CANoe's **System** and **Environment** variables, achieving 96% accuracy, while developing a **C++** wrapper and enhancing legacy C code for optimized system performance.

PROJECTS

Enrollment Management System | ASP.NET, C#, Angular, MVC, Rest APIs, SQL Server, TypeScript, ES6, HTML5, SASS, Entity Framework Core

- Built a comprehensive Enrollment Management System, enabling seamless registration, retrieval of enrollment details, and providing administrator full database access for effective management and review of enrollments for diverse programs or events.

Multi-threaded Blockchain | Java, Network Protocols, Multi-threading, Blockchain, SHA-256 hashing, cryptography, JSON, TCP/IP

- Developed a distributed Java-based multi-threaded blockchain system with SHA-256 hashing, public key cryptography, multicast messaging, and JSON ledger storage.

To-Do Application | React, JavaScript, HTML, SASS, MongoDB, Rest APIs, Express, Node.js

- Crafted a to-do application utilizing React, Node.js, Express, and MongoDB, incorporating CRUD operations and adaptive design.