

# VISHAL KUMAR SINGH

SOFTWARE TEST ENGINEER

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## SUMMARY

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I am transitioning from a role as a Software Test Engineer to pursue Backend Web Development. With 5 years of experience ensuring software functionality, I now bring my meticulous attention to detail and problem-solving skills to designing robust backend solutions. My background in testing software at every stage has honed my ability to create efficient and scalable code. I enjoy collaborating with teams, communicating technical concepts clearly, and am passionate about crafting backend systems that enhance user experiences.

## SKILLS

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### Programming Languages-

C++, Javascript

### Technical Skills-

Backend web development, Quality Assurance, Rest API, Database, IOT development, Authentication and Authorization, Debugging and Troubleshooting, API Documentation, Networking, Version Control

### Frameworks and Tools-

Express, Nodejs, MongoDB, Ejs, Swagger, Jira, Mantis, Postman, VS Code, Git, Linux, Unity game engine, 3DS Max

## EXPERIENCE

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### MEDIA.NET

#### Software Test Engineer , May 2022-July 2024

- Conducted comprehensive testing of web UI elements to ensure seamless functionality, intuitive navigation, and consistent user experience on mobile and desktop.
- Documented defects using bug tracking tool Mantis and providing detailed descriptions and screenshots.
- Conducted cross-browser and cross-device testing to validate UI consistency and responsiveness across various platforms and screen sizes.
- Conducted UI performance testing to assess UI responsiveness, load times, and rendering performance, identifying and addressing performance bottlenecks.
- Collaborated closely with business team and front-end developers to understand UI requirements and design specifications, ensuring alignment with testing efforts.

### UBISOFT INDIA

#### QC Tester, June 2019-May 2022

- Conducted comprehensive testing of video games to identify and report bugs for mobile and PC.
- Developed and executed test plans and cases to ensure the functionality, usability, and performance of games across various platforms.
- Documented and tracked issues using bug tracking software JIRA, providing detailed descriptions and steps to reproduce for efficient resolution.
- Conducted compatibility testing on different hardware configurations and software environments to ensure optimal gameplay experience.
- Collaborated closely with game developers and designers to communicate feedback and suggest improvements based on testing results.

## PROJECTS

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### Express Auth–

ExpressAuth is a simple application for user authentication and authorization system to provide secure user login and registration functionalities. Built using the Express.js framework and MongoDB database this application allows users to create accounts, authenticate their identities, and securely access protected routes.

## EDUCATION

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2015–2019

DY PATIL RAMRAO ADIK INSTITUTE OF TECHNOLOGY, MUMBAI UNIVERSITY  
Bachelors of Engineering in Electronics  
and Telecommunications

## CERTIFICATES

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- **Jira User Apprentice** certification from **Ubisoft**.
- **C++** certification from **HackerRank**.
- **Java IOT Developer** certification from **Oracle**.
- **Microsoft Technology Associate** certification by **Microsoft**.

## COLLEGE PROJECTS

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### Optical Character Recognition–

Scanning and recognition of Devanagiri text from hard copies documents and convert them into digital editable text with help of Image processing in Matlab and python for machine learning models and character recognition.

### Railway Track Fault Detection–

An automated railway car that can detect the crack on railway track and sends the respective location to the database using Nodemcu (ESP8266) microcontroller and Gsm module.

### Bluetooth Switch Controller–

An arduino nano based device which can control the household switches by an app. The communication between the controller and app was done by bluetooth module.