Muhammed Nihal C Y
Full Stack Developer – MERN

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Summary

I am a diligent and inquisitive engineer with a strong passion for crafting outstanding digital web experiences. I excel in creating responsive websites using **HTML5, CSS, Bootstrap, JavaScript, and jQuery.** With expertise in HTML and web development, I write well-designed, testable, and efficient code, aligning with best web development practices. My proven track record includes Agile and Scrum methodologies, **Node.js, Express.js server-side development,** and proficiency in modern web technologies. I bring a deep understanding of architectural compliance, cloud solutions, secure coding, and test-driven development.

Experience

Freelance Web Developer   April 2023 – Present

- Utilized Agile and Scrum methodologies to develop and maintain web applications.
- Led front-end development using **Handlebars.js, HTML, CSS, Bootstrap**, and **JavaScript** to ensure seamless user experiences.
- Created **responsive websites**, emphasizing **HTML5, CSS3, Bootstrap, and jQuery**.
- Designed and implemented **REST APIs.**
- Employed **Git** workflows for version control and **DevOps** tools like **GitHub**.
- Leveraged AWS cloud services and secure application development practices.
- Implemented **Test-Driven Development (TDD)** for highly resilient and stable applications.
- Maintained secure coding standards and collaborated effectively within cross-functional teams.
- Mentored team members and promoted a culture of learning and innovation.

Education

Diploma in Computer Engineering   June 2021 – July 2023

Government Polytechnic College, Kunnamkulam

Projects

Online Hotel Room Booking System
Live @ *https://stayonn.onrender.com/*

- Led the design and development of an advanced booking platform using **Node.js, Express.js,** and **cloud-hosted MongoDB**.
- Created a responsive front-end using **HTML, CSS, JavaScript, Bootstrap, jQuery, and AJAX.**
- Integrated nodemailer for **OTP & email verification**, enhancing user trust and security.
- Prioritized data protection with advanced password encryption methods.
- Crafted intricate logic to ensure accurate bookings, meeting both technical and consumer needs.

Key Technical Skills

- **Front-end: HTML, CSS, JavaScript, web components, Ajax, jQuery**
- **Responsive web design**
- **Web development best practices**
- **Front-end Frameworks: React.js, Bootstrap, Handlebars.js**
- **Back-end: Node.js, Express**
- **Database: MongoDB, MySQL**
- **MVC design pattern**
- **Micro front-end strategy**
- **Restful APIs**
- **Git and Git workflows**
- **DevOps: GitHub**
- **Cloud Technologies: AWS**
- **Containers: Docker**
- **Test-Driven Development (TDD)**
- **Secure coding standards**
- **Functional programming**
- **API design patterns**
- **Trunk-based development**
- **Feature toggles**
- **Branch by abstraction**
- **Computer science fundamentals**
- **Architectural compliance**
- **Collaboration and leadership**
- **Fast learner and technology enthusiast**

Languages
English – Intermediate
Malayalam – Native