

Namandeep Singh Wadhwa

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Objective

As a motivated and detail-oriented web developer with hands-on experience in Node.js, Express, Next.js, MongoDB, and SQL, I am seeking an entry-level position to leverage my skills in full-stack development and contribute to dynamic and innovative projects.

Education

Seneca College, Toronto CA
Computer Programming and Analysis

Jan 2022-Aug2024

Skills

Languages & Frameworks	C, C++, JavaScript, Node.js, Express, Next.js
Frontend Technologies	CSS, Bootstrap, Tailwind CSS
Backend Technologies	Docker, AWS, RESTful APIs
Databases	MongoDB, SQL, PostgreSQL
Testing & Tools	Jest, Hurl, Git
Concepts	Object-Oriented Programming (OOP), Data Structures & Algorithms (DSA),Agile, Waterflow, SDLC

Projects

Fragments Microservice ([Demo](#), [Livelinek](#), for testing purposes,username-testing123, password-Testing123@)

- Developed a microservice with Node.js and Express for managing data in JSON, HTML, and image formats.
- Implemented AWS services: Cognito for user management, ECR for Docker image storage, ECS for hosting, DynamoDB for metadata storage, and S3 for data storage.
- Containerized the backend with Docker, achieving a 40% reduction in deployment time, and used Docker Compose to simulate DynamoDB and S3 environments.
- Tested with Jest and Hurl, achieving 95% test coverage and reducing bug reports by 30%.
- Delivered a scalable data management solution, enhancing data handling efficiency by 25% and reducing system downtime by 15%

Seneca Social ([Livelinek](#) (use test@Student.com for student login, use test@Seneca.com for Seneca login), [Frontend](#), [Backend](#))

- Led a team of 4 developers to create a platform for 1,500+ Seneca students to exchange information and share opinions.
- Directed the project through four phases, coordinating tasks and achieving completion within 12 weeks.
- Developed the frontend using Next.js and architected the backend with Node.js and Express, integrating MongoDB to manage user records.
- Implemented features such as OTP verification and JWT authentication, enhancing user security and access control.
- Facilitated team collaboration and managed project milestones, ensuring successful delivery and a 20% improvement in project delivery efficiency.

Experiences

Maydaysec, Toronto, CA
Software Developer Intern

August 2023-November 2023

- Developed a robust coupon verification system in PHP, significantly enhancing discount management efficiency and reducing processing errors.
- Collaborated closely with team members to design and implement a secure system, successfully mitigating fraud and improving transaction integrity.
- Executed comprehensive testing and debugging processes to ensure system functionality, reliability, and performance, resolving critical issues proactively.
- Contributed to detailed documentation and delivered presentations for internal stakeholders, improving system understanding and user training.
- Provided technical support during system implementation, facilitating smooth deployment and addressing technical challenges promptly.

International React Native Hackathon([GitHub](#))

July 2024

- Selected among top 10 students by Seneca Global Learning for a competitive 4-day React Native hackathon in Belgium.
- Collaborated with a diverse team of 3, including students from Belgium and Denmark, to develop a React Native app.
- Engineered a recommendation system where users could post and tag over 200 pictures, allowing others to interact by liking and viewing recommendations.
- Showcased the app’s features and technical functionality to a panel of judges, enhancing presentation and public speaking skills.
- Applied agile methodologies to manage development tasks and meet tight deadlines, ensuring timely delivery of the project.