

DINUKA MUNASINGHE

Software Engineer (Full stack)

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📍 Kalutara, Western, Sri Lanka 🔄 GitHub 🔗 LinkedIn



ABOUT ME

I am Dinuka Munasinghe, a graduate of NSBM with a BSc in Management Information Systems (Special). I have 2 years of experience in Next.js, React.js, and Node.js, and I also have hands-on experience working with ERP systems. Currently, I am learning AI/ML at IJSE in Panadura. I always strive to learn new things every day. I actively engage in practical projects and coursework to apply my knowledge and gain real hands-on experience.

PROFESSIONAL EXPERIENCE

Software Engineer (Full stack) (Contract),

09/2024 – 08/2025

National Water Supply and Drainage Board

- Created an entire ERP system that tracks water products based on Next.js, Node.js and ShadCN UI
- Implemented securely authenticating with the JWT and API testing with POSTMAN
- Communicated effectively on the slack.

Intern Software Engineer, National Water Supply and Drainage Board

08/2023 – 02/2024

- Designed UI interface to user requirements using React.js
- Implement backend features with Node.js built-in APIs, including JSON Web Tokens (JWT) authentication and real-time data transfer with WebSocket.io

EDUCATION

BSc in management information systems (special),

02/2023

National School of Business Management

Faculty of Computing

Certified AI & ML Engineer (CAME), Institute of Software Engineering (IJSE)

Ongoing

Key Areas: Artificial Intelligence, Machine Learning, Python, Data science, Neural Networks

TECHNICAL SKILLS

Programming Languages

C#, Java, HTML, CSS, JavaScript, TypeScript

OpenAI tools

ChatGPT

Frameworks/Libraries

ReactJS, .NET, NodeJS, Express JS

SQL/NoSQL Concepts

SQL, SSMS, MongoDB

Web Development

RESTful Services, MVC Architecture, Web APIs

Tools

Git, GitHub

Content Management

WordPress

PROJECT EXPERIENCE

NWSDB Employee Personal Information Portal,

08/2025 – 09/2025

React.js, Node.js, Express, MongoDB, Tailwind CSS

- This system is dedicated to overseeing employees' personal data, such as attendance records, leave details, and financial information
- This system uses Redux for role-based access management, allowing different user roles to access specific pages.

Ground Water ERP System,

11/2024 – 09/2025

Next.js, Node.js, Express.js, SQL Server, ShadCN UI, Postman

- Developed PDF and Excel report generation features with full CRUD functionality (view, edit, delete) using backend APIs, integrated seamlessly with the frontend UI in our ERP system.
- Implemented role-based permissions in the ERP system using backend APIs. The Ground Water Super Admin role has full access and can manage all operations within the groundwater system.
- Developed fully mobile-responsive interfaces for the groundwater management system to ensure seamless usability across all devices.

Student Registration System, ASP.NET Core MVC, C#, SQL Server, Entity Framework

08/2024 – 09/2025

References

Chaminda Gunawardana, *Senior System Analyst*, National Water Supply & Drainage Board

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Dinuka Bandara, *Associate Software Engineer*, PayMedia

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