

# CURRICULUM VITAE

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## Madushan Nanayakara

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## Professional Summary

Motivated and detail-oriented Software Engineer with strong experience in full-stack development, cloud technologies, and scalable system design. Skilled in building modern web applications using React, Node.js, and microservices architecture. Passionate about clean code, performance optimization, and solving real-world problems.

## Technical Skills

### Programming Languages

- JavaScript (ES6+), TypeScript
- Python
- Java
- SQL

### Frontend Development

- React.js, Next.js
- HTML5, CSS3, Tailwind CSS
- Vite

### Backend Development

- Node.js (Express.js)
- REST API Development
- Microservices Architecture

### Databases

- PostgreSQL
- MongoDB

### Cloud & DevOps

- Google Cloud Platform (GCP)
- Docker
- Nginx

- CI/CD (GitHub Actions)

### **Tools & Technologies**

- Git & GitHub
- Postman
- JMeter
- Firebase Authentication

## **Work Experience**

### **Junior Software Engineer – HCL Lanka Technologies (Pvt) Ltd (Jan 2024 – Present)**

- Developed and maintained scalable web applications using MERN stack
- Implemented RESTful APIs for eCommerce platform with authentication and role-based access
- Optimized database queries, improving performance by 30%
- Configured Nginx for production deployment
- Integrated Firebase authentication with backend microservices

### **Software Engineering Intern - TechSoft Lanka (Pvt) Ltd (Jun 2023 – Dec 2023)**

- Assisted in developing internal tools using React and Node.js
- Worked with PostgreSQL for data management
- Performed API testing using Postman and JMeter
- Fixed bugs and improved UI responsiveness

## **Education**

### **Higher National Diploma (HND) in Software Engineering**

Institute of Information Technology – Sri Lanka (Completed: 2024)

## **Projects**

### **E-Commerce Platform (Microservices Architecture)**

- Built using Next.js (Frontend) and Node.js (Backend)
- Implemented authentication with Firebase
- Used PostgreSQL with separate databases per service
- Designed scalable APIs and role-based permissions system

### **Automated Interview System**

- Developed WhatsApp-based interview question flow
- Integrated webhook handling and AI-based answer validation

- Built cron jobs for automated messaging triggers

### **Service Booking Application**

- Designed status-driven workflow (Open → Completed)
- Built full-stack application with React and Node.js
- Implemented real-time status updates

### **Certifications**

- Google Cloud Fundamentals (Coursera)
- JavaScript Algorithms and Data Structures (freeCodeCamp)

### **Soft Skills**

- Problem Solving
- Team Collaboration
- Time Management
- Communication Skills

### **Languages**

- English – Fluent
- Sinhala – Native

### **References**

Available upon request