Emanuel Molla

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Full-Stack Developer

Backend-focused full-stack developer with hands-on experience building real-world apps using Node.js, Express, and MongoDB. Quick to learn, comfortable in team settings, and committed to writing clean, reliable code.

Technical & Soft Skills

- **Languages & Frameworks:** JavaScript (Vanilla), Node.js, Express.js, Python, C++, Java, HTML, CSS
- **Frontend & Styling:** React (basic), Tailwind CSS, jQuery, EJS
- **Databases & Tools:** MongoDB, MySQL, Microsoft SQL Server, Git, GitHub
- **Other Tools:** Microsoft Office (Advanced Excel), Pytest
- **Soft Skills:** Fast learner, team player, respectful, responsible under pressure, strong communication

Projects

Scholiast – AI Study Companion App (BCIT · Backend Developer)
A study platform that generates quizzes, flashcards, and summaries from YouTube videos and PDFs using GPT APIs.
- Built RESTful API endpoints to support quiz, flashcard, and summary generation from PDF content
- Worked closely with frontend and AI logic teams in a 5-person team
- Used Node.js, Express, MongoDB, and version control through GitHub

Community Cart – Group-Based Shopping App (BCIT · Lead Developer)
An app that lets users save money by forming buying groups for bulk discounts.
- Led backend architecture and database design
- Implemented user collaboration and group management logic
- Led sprint planning and code reviews to coordinate team efforts

Garage Queue System (Bahir Dar University · Solo Project)
Console-based app using stack/queue logic to simulate car service queues.
- Written entirely in C++, showcasing data structures and logic control
- Reinforced command-line development, control logic, and OOP fundamentals

Education

- **Diploma in Computer Systems Technology (**_Expected Dec 2026_**)**
  British Columbia Institute of Technology (BCIT), Vancouver, BC
  Current GPA: 93%
- **Bachelor of Science in Information Systems (**_Incomplete, 2021-2023_**)**
  Bahir Dar University, Bahir Dar, Ethiopia
  Completed 190 out of 250 credits · **CGPA**: 3.62
  Relevant Courses: Internet Programming, Advanced DB Systems, Mobile App Dev, Data Structures

Certifications

- **Google Data Analytics Professional Certificate** – Coursera (_Completed Jan 2024 – Dec 2024_)
- **IBM Full-Stack JavaScript Developer (in progress)** – Coursera (_12-course series with project-based learning_)

Work Experience

Pipe Fitter and Technician
Preet Plumbing Heating and Sprinklers Ltd - Vancouver, BC
October 2023 - Present
- Assist in the installation and maintenance of fire sprinkler systems.
- Ensure compliance with safety regulations and standards.
- Gain practical experience in technical support and problem-solving in a hands-on environment.