

# Matin Mahmoud

xxx-xxx-xxxx | [matinmahmoud07@gmail.com](mailto:matinmahmoud07@gmail.com) | [github.com/decompi](https://github.com/decompi) | [youtube.com/@z3cho](https://youtube.com/@z3cho) | [matin.codes](https://matin.codes)

## EDUCATION

### New Jersey Institute of Technology (NJIT)

Newark, NJ

*B.S. in Computer Science*

*Expected Graduation: May 2029*

- Upcoming Coursework: Data Structures & Algorithms, Linear Algebra, Operating Systems
- Athletics: Division I Varsity Track & Field (Triple Jump)

## SKILLS

**Languages:** JavaScript/TypeScript, Lua, C++, C, Python, Rust, SQL

**Frameworks & Tools:** React Native, Node.js, Express, MongoDB, Google Cloud, Docker, OpenCV, Axios, Socket.io, Git, VS Code

**Strengths:** Backend & mobile development, REST APIs, debugging, performance profiling

**Spoken Languages:** Tchamba (fluent), Hausa (fluent), Twi (conversational)

## EXPERIENCE

### Freelance Developer

Aug. 2020 – Present

*Self-Employed*

*Remote*

- Delivered **80+** client projects over 4 years, generating **\$30,000+** in revenue; built apps and tooling in JavaScript/TypeScript, C++, and Lua.
- Built automation scripts, Discord integrations, and data pipelines that reduced manual work for clients.
- Staff Member & Code Helper in the **280,000+** member HiddenDevs community; mentor developers, review code, and support project direction.

### Content Creator (Coding Tutorials)

June 2019 – Present

*@z3cho on YouTube*

*Remote*

- Produce tutorials in JavaScript, Lua, and C++ for **4,000+** subscribers; focus on practical builds and reproducible mini-projects.

## PROJECTS

### NightShift (Prototype) | *React Native, Node.js, Firebase, Expo*

- Built a mobile app that enhances campus safety by pairing students walking at night with companions from their university.
- Designed and implemented backend systems including authentication, Apple Maps WebKit integration, and real-time student matching.
- Partnered with multiple colleges to explore pilot programs and user adoption.

### PricePal (Prototype) | *React Native, TypeScript, MongoDB*

pricepalapp.com

- Prototype mobile app that compares grocery prices across stores by scraping real-time data with Puppeteer/ChromeDriver.
- Implemented a cart-based optimizer to select the most cost-effective store per user's shopping list.

### Syntax Fixer | *Lua, IDE Plugin Development*

GitHub Repo

- Roblox Studio plugin that fixes syntax errors at the click of a button using a custom parser and configurable rules.
- Non-invasive design: operates only on selected scripts; supports multi-file selection and user-tunable options.
- **3,000+ downloads**; actively adopted by indie developers.

### Pixel Stream Player | *Node.js, Lua, Game Tooling*

GitHub Repo

- Open-source video-to-frame streaming pipeline enabling frame-accurate playback in Lua environments via a Node.js backend.
- **2,000+ downloads** across open-source communities.

### Discord Bot → Lua Game Integration (Cardinal/ARC) | *Node.js, Discord.js, Web APIs*

GitHub Repo

- Bridged Discord commands with a Lua-based game backend to sync user data and actions across platforms.

## CERTIFICATIONS

Applied Data Science with Python Specialization & Applied Machine Learning in Python — University of Michigan (Coursera), Oct 2024