

Zahin Azmayeen

zahin06@gmail.com | permafrost06.com | github.com/permafrost06

EDUCATION

Shahjalal University of Science and Technology

Bachelor of Science in Oceanography

Sylhet, Bangladesh

Feb. 2017 – Jan. 2021

EXPERIENCE

Senior Software Engineer (Remote)

Mar. 2024 – Present

Dotcamp

Company based in NY, USA

- **Server Management:** Introduced and maintained cloud servers to support website deployments, discord bots, VPN etc. This unlocked new workflows and collaboration for the entire company.
- **Tableberg:** Tableberg is a table builder plugin for the WordPress block editor. Developed the product from scratch and led further development.
- **Ultimate Blocks:** Ultimate Blocks is a collection of blocks for the WordPress block editor. Mitigated major architectural limitations that caused significant bugs and hindered development.
- **WP Table Builder:** WP Table Builder is a table builder plugin for WordPress. Finalized strategy to overhaul codebase and architecture enables development of new advanced features.
- **Dev Environment:** Implemented a modernized development workflow by adopting standard practices including monorepo, CI/CD, and E2E testing across all products. This reduced code duplication which was a regular source of bugs.

Software Engineer (Remote)

Mar. 2023 – Feb. 2024

Dotcamp

Company based in NY, USA

- **WP Table Builder:** WP Table Builder is a table builder plugin for WordPress. Worked on adding new backwards compatible features and fixes to legacy codebase. Developed a system to streamline backwards compatibility. Explored strategies to make the legacy codebase modern and efficient.

Software Engineer

Jan. 2021 – Present

Freelance

- **Diagman** | *Vue, Tauri, CF Worker, Turso, Drizzle*: Patient management software for a pathology diagnostic centre. Led development and planning. Deployed using serverless technology.
- **DKNCK** | *Laravel, Vue, MySQL*: Sales software for multiple clothing shops. Led development, planning, and deployment. Deployed in self hosted servers.
- **Website Audit:** Performed a technical audit and generated a report for a WordPress website that suffered from poor performance. Developed software to quantify performance. Uncovered an attack on the website during the process.
- **Thesis Coding I** | *Matlab*: Wrote a simulation program for a master's thesis paper. It analyzes sensor data using Pearson Correlation, Euclidean Distance, NSGA-II, and Monte-Carlo simulation. It is highly optimized and capable of running hundreds of times per second on low end hardware.
- **Thesis Coding II** | *Arduino, Python, Javascript*: Assisted in developing a bachelor's thesis and coded multiple ESP32 boards to create a star BLE network and transmit sensor data between them. Created a web portal to display the sensor data and stress test the network.

PROJECTS

escpos-printer | *Golang*: Windows program to print a receipt using escpos commands with server capabilities.

wpp-deployer | *Golang, Shell*: This program works in tandem with a github app to deploy a WordPress plugin on a testing site when triggered.

pc-remote | *Golang, Arduino/C++, Javascript*: A system to control and monitor the power state of a home server. Utilizes an ESP8266 wired to the server motherboard.

tptools | *Python*: A library to access and modify tp-link router settings.