Mike
Junior Self-Taught TypeScript / Node.js Backend Developer

SUMMARY

- Proficient in TypeScript and Node.js with hands-on experience in building scalable backend systems and real-time integrations using Bun runtime.
- Developed a multi-account Discord-to-Telegram message bridge featuring modular dependency injection, GPT-4o-mini translation, advanced content filtering, and robust proxy/captcha handling with MongoDB persistence.
- Skilled in Telegram bot development using Telegraf and node-canvas, implementing multiplayer game logic and dynamic graphical rendering.
- Experienced with REST APIs, WebSockets, OpenAI API integrations, and complex asynchronous workflows emphasizing clean, maintainable code architecture.
- Self-taught with a strong focus on practical software engineering principles, modular design patterns, and delivering client-ready solutions under tight deadlines.

TECHNICAL SKILLS

Main Technical Skills	TypeScript (3 yr.), DI (2 yr.), Node.js (4 yr.), MondoDB (3 yr.)
Programming Languages	TypeScript (3 yr.)
JavaScript Frameworks	NestJS (1 yr.), Node.js (4 yr.)
JavaScript Libraries and Tools	Pm2
Databases & Management Systems / ORM	MondoDB (3 yr.)
SDK / API and Integrations	DI (2 yr.), Telegram API (3 yr.)
Virtualization, Containers and Orchestration	Docker
Other Technical Skills	Bun (2 yr.), Discord Management (3 yr.)

WORK EXPERIENCE

Independent Developer (Discord-Telegram Message Bridge)

Duration: June 2025
Summary:

- A freelance project to build a one-way real-time message forwarding system from Discord channels to Telegram

- The project supports multiple accounts and includes advanced content filtering and translation features
- It aims to provide seamless communication bridging between Discord and Telegram platforms

Responsibilities:

- Developed core functionality and full refinements of the message bridge.
- Implemented multi-account support with token validation, login, and failover mechanisms.
- Added keyword and stop-word filters, emoji and URL detection for content filtering.
- Integrated GPT-4o-mini for optional message translation with custom prompts.
- Created a Telegram admin panel with inline buttons and paginated lists for managing servers, chats, and filters.
- Handled media content including photos and videos under 50MB, embeds, and Markdown links with previews disabled.
- Ensured reliability using proxy and 2captcha services.
- Used MongoDB with Mongoose for persistent storage.

Technologies: TypeScript, Node.js, MongoDB, Mongoose, discord.js, Telegraf, OpenAI API (GPT-4o-mini), Proxy, 2captcha

Independent Developer (Telegram 'Durak' Multiplayer Card Game Bot)

Duration: April – May 2025
Summary:

- Developed a Telegram bot for the classic 'Durak' card game supporting multiplayer rooms
- The bot allows users to create rooms, invite players via unique links, and play the game with dynamic visual rendering of game elements

Responsibilities:

- Implemented multiplayer room creation and unique invitation link generation.
- Developed player joining system and per-player card rendering.
- Used node-canvas to dynamically render player hands, trump card, discard pile, and game field.
- Designed shared field visualization for all players.
- Currently working on game logic including turns, taking cards, scoring, and win conditions.

Technologies: TypeScript, Bun runtime, Telegraf, node-canvas, MongoDB

EDUCATION

- **Self-Taught Developer**
  Focused on practical TypeScript/Node.js backend development through building real projects.
  2022 – Present