

Brian Misiak

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15 years of experience. Designed an online RPG and grew the community to hundreds of thousands of players. Passionate about EVs, cycling, chats, digital payments, security, Linux, Rust, IPv6, i12n, crypto.

Senior Full-stack Engineer at TravelBank

2019–2021

- Led development & delivery of cryptocurrency support, working closely with design, PM and legal teams, explaining tradeoffs and intricacies
- Led delivery of multi-currency support across platforms
- Sped up the flight/hotel search engine by 10x
- Dramatically improved data consistency between microservices, Loopback, MongoDB, Redis and frontends by refactoring for strict, null-safe typing

Founder, CEO at net4game

2008–2019

- Led back-end development. Grew the project to a majority market share of its niche
- Architected and developed gameplay in C/C++11/PAWN/Rust/handcrafted SQL, with tons of anti-cheat, abuse prevention and monitoring measures
- Profiled and improved performance in critical areas to avoid latency spikes
- Deployed GitLab CI/CD including automated tests
- Wrote the website and REST microservices in TypeScript/node.js, Rust and PHP
- Administered the MySQL 8 database and servers on bare-metal Linux machines
- Built and supervised remote team of 5 developers and 30 gamemasters/moderators
- Monetized the freemium game by developing an in-game Forex exchange and two currencies, encouraging 80% of players to use paid services and items
- Identified issues ripe for automation which reduced support inquiries by 90%
- Maintained a non-inflationary economy encompassing a real estate/vehicles market, organized crime, police, court trials, diverse businesses, furnishing of buildings etc.

Personal projects

2004–2021

- Overbrowserd - a Swift Mac App Store app enabling multiple “default” browsers
- A connected Electric Vehicle charger built on ESP32-based hardware with embedded software, a SwiftUI iOS client and a WebSockets+REST back-end in Rust
- Contributions to open-source projects, including npm’s puppeteer and Rust crates
- Some experience solving React/Redux/Ruby on Rails issues
- Utility apps for Windows in C#/.NET; node.js Reddit clone; PHP WordPress plugins

Node.js, ES2020 JavaScript, Typescript, Rust, Swift, C, C++, PHP, PAWN. Bite of C#, .NET, C++, React	Linux admin, MySQL 8, PostgreSQL, MongoDB, Azure, Google Cloud, QUIC, H3, Microservices, WebPush
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