Brian Misiak

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18 years of experience. Founded an MMORPG which saw hundreds of thousands of players. App Store publisher. Interest in EVs, hardware, communities, chats, digital payments, security, Linux, Rust, IPv6, crypto.

Senior Full-stack Engineer at Rivian   2022–present

- Sped up migrations by 10x with extensive profiling and smarter algorithms
- Brought SSG site build time down from 20min to 1min
- Designed a GraphQL API for cross-company consumption, collab. with stakeholders
- Refactored React (on Next.js) components for stronger types and resilience

Senior Full-stack Engineer at TravelBank   2019–2021

- Led development & delivery of cryptocurrency support, working closely with design, explaining explaining tradeoffs and intricacies to PMs and legal team,
- Sped up flight/hotel search engine by 10x
- Led delivery of multi-currency support across platforms
- Dramatically improved data consistency between microservices, Loopback, MongoDB, Redis and frontends via null safety & strict (de)serializing
- Contributed memory streaming to one of NPM's biggest packages, "puppeteer"

Founder, CEO at net4game   2008–2019

- Led back-end architecture & development in C/C++11/PAWN/Rust/SQL, with tons of anti-cheat, abuse prevention and monitoring measures
- Wrote a Reddit clone and REST microservices in TypeScript/node.js, Rust & PHP
- Built a remote team of 5 developers and 30 gamemasters/moderators
- Profiled and improved performance in critical areas to avoid latency spikes
- Deployed GitLab CI/CD including automated tests
- Administered the MySQL 8 database and servers on bare-metal Linux machines
- 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%

Personal projects   2004–present

- Overbrowsered - a Swift Mac App Store app enabling multiple "default" browsers
- A connected EV charger built on ESP32-based hardware with embedded software, a SwiftUI iOS client and a WebSockets+REST back-end in Rust
- 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