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Resume

Joe Rosseljong

Contact

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Professional Summary

Full-stack engineer focused on building scalable web applications, real-time systems, and developer tooling with modern JavaScript and TypeScript ecosystems. Experienced in delivering client projects, integrating complex communication features, and improving system visibility and performance through observability and backend engineering.

Skills

Frontend: NextJS, React, Vite, Angular, GraphQL, SWR
Backend & APIs: Bun, Hono, Node.js, WebSockets, WebRTC
Cloud Data & Platforms: PostgreSQL, SQLite, Redis, Cloudflare Workers, Supabase, Appwrite, Firebase, WordPress
Infrastructure & Tooling: Docker, Git, Github Actions, Axiom, Sentry, OpenTelemetry (OTLP), Google APIs, Google OAuth, Nginx

Experience

Full-Stack Engineer   **DR Mediengestaltung**   **February 2024 - Current**

- Engineered a life-guidance platform in Next.js, building custom VoIP infrastructure with Asterisk, WebSocket-powered real-time chat, WebRTC voice communication, online user presence monitoring, and an admin dashboard with extensive platform-wide configuration. Optimized for reliability, performance, and maintainable system design.
- Collaborated with the client in regular meetings to gather feedback, refine feature requirements, and deliver platform updates aligned with evolving project needs.
- Technologies used: NextJS, Node.js, Asterisk, WebSockets, WebRTC, Docker, Nginx, Appwrite

Projects

@pocket/tracing

- Built an internal OpenTelemetry package capable of processing 10k+ requests per second through ring-buffered batch exports and exponential-backoff retry logic.
- Leveraged the package's telemetry to identify and resolve a product-search bottleneck, improving search performance by 50%.

Ivoxy

- Built a music web app in Next.js, integrating the YouTube Data API and Google OAuth to search for and play music videos directly in the browser.
- Implemented playlist and saved-song functionality, using Supabase for backend services and Zustand, React Player, and shadcn/ui for state management, playback, and UI development.

Upcoming

@pocket/tracing

- Extending the package with a decoupled logging module that operates independently of the tracing pipeline, providing structured logging output with severity levels (info, warn, error) and automatic trace ID correlation for unified observability across logs and traces exporting to backends such as Axiom.

Pantr

- Combining a shopping list, home inventory, recipe planning and much more to eliminate the repetitive back-and-forth of figuring out what to buy and what to cook each week.