

Jonah Sol

Full-Stack Software Engineer

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Product-focused full-stack software engineer with over five years of professional experience building and maintaining production web applications. Experienced across React, TypeScript, Java, C#, REST APIs, SQL databases, cloud infrastructure, and automated deployment workflows. Comfortable taking features from requirements and UI implementation through backend development, testing, and release. Known for strong ownership, practical problem-solving, and clear collaboration within remote and cross-functional teams.

Experience

Full-Stack Software Engineer — StreamShark

Jan 2023 – Jun 2025

Enterprise SaaS live-streaming platform supporting large-scale events for Fortune 500 organisations.

- Transformed a legacy React frontend incrementally, delivering new product experiences while maintaining compatibility with existing production workflows.
- Built a scalable live polling feature across React and Java, supporting interactive broadcasts with more than 10,000 concurrent viewers.
- Developed and maintained customer-facing features across React frontends, Java REST APIs, MySQL, AWS, and Google Cloud infrastructure.
- Identified and resolved latent scheduling and timezone defects affecting enterprise SLAs, migrating critical event infrastructure to IANA timezone standards.
- Delivered features end-to-end, working from product and design requirements through frontend and backend implementation, testing, deployment, and release.
- Improved release confidence through cross-environment testing spanning legacy and modern platform surfaces.
- Mentored engineers through code reviews, architecture discussions, and internal technical sessions focused on modern frontend patterns.

Full-Stack Software Engineer — CEWARI

Jan 2026

Volunteer engineering engagement for a research-focused non-profit operating in low-connectivity field environments.

- Designed and delivered an offline-first React Native journal application within 14 days, enabling field participants to record and export research data in low-connectivity environments.
- Built the TypeScript backend using Bun and Cloudflare Workers, integrating Google Drive for data exports and Resend for transactional email.
- Prioritised the core workflow during the first week, gathered feedback from real users, and resolved issues before the engagement concluded.
- Documented deployment, maintenance, and credential-management processes for the organisation's long-term use.

Software Developer — Milparinka Disability Services

2020 – 2023

Developed MAP, a custom operational platform for managing disability-service attendance, scheduling, reporting, and billing across multiple regional centres.

- Designed and built the full-stack application using React, ASP.NET Core, C#, and Azure SQL Database, replacing fragmented spreadsheet-driven workflows with a centralised production system.
- Worked directly with operational stakeholders to translate scheduling, attendance, reporting, and billing requirements into maintainable product features.
- Containerised the ASP.NET Core backend with Docker, published images to Azure Container Registry (ACR), and deployed the application through Azure App Service.
- Implemented maintainable recurrence and scheduling infrastructure supporting complex iCalendar (iCal)-style operational workflows.
- Improved the reliability of business-critical tooling through defensive engineering around unstable third-party browser APIs.

Selected Projects

Immyria — AI-Native Language Learning Platform

2026

immyria.app

- Designed and developed an immersion-focused language learning platform using React, TypeScript, and Next.js, deployed globally through Cloudflare Pages.

- Engineered resilient LLM integration pipelines using typed validation, schema-driven parsing, and structured error handling to manage non-deterministic model outputs.
- Built automated ingestion workflows for synchronising multilingual content and metadata across external services.

Pulse — Browser-Based Interview Practice Platform
pulsepractice.app

2026

- Built and deployed a browser-native interview practice platform using React, TypeScript, Next.js, and Cloudflare Pages.
- Engineered local-first video recording workflows using the MediaRecorder API and IndexedDB, including client-side media coordination, timer systems, and offline-friendly storage.
- Integrated the OpenAI API to generate contextual interview questions and support AI-assisted transcription workflows while maintaining a responsive browser-first experience.

Education

Bachelor of Science — Computing and Software Systems
University of Melbourne

2017 – 2022

Diploma in Mathematical Sciences — Pure Mathematics
University of Melbourne

2017 – 2022

Skills

Languages: TypeScript, JavaScript, Java, C#, SQL, Python
Frontend: React, Next.js, React Native, HTML, CSS, Tailwind CSS
Backend: Node.js, Bun, ASP.NET Core, REST APIs, tRPC, PostgreSQL, MySQL, Azure SQL Database
Cloud & Delivery: AWS, GCP, Azure, Cloudflare, Docker, Linux, GitHub Actions, CI/CD
AI-Assisted Development: Cursor, OpenAI API, LLM Integrations, Structured Outputs
Languages: English (Native), Spanish (Fluent), Portuguese (Professional Working Proficiency)