Elvis **Tran**

SOFTWARE ENGINEER · FULL-STACK ENGINEER

✉ elvistranhere@gmail.com | ⌂ elvis-tran.is-a.dev | ⊡ totargaming | in elv1stran

Objective

Computer Science student and full-stack engineer with real-world experience shipping features in .NET, React, and cloud-based systems. Previously served as a Tech Lead, gaining hands-on exposure to software architecture decisions, designing business logic, and collaborating across teams. I thrive in fast-paced environments, learn rapidly, and enjoy solving practical engineering problems. Seeking opportunities to contribute to impactful products while accelerating my growth as a Software Engineer.

Education

The University of Adelaide
Adelaide, Australia

B.S. IN COMPUTER SCIENCE
Jul. 2023 - Present

- GPA: 6.9/7.0, recipient of the Global Citizenship Scholarship
- Awarded the Summer Research Scholarship for academic excellence and research potential
- Invited to join the Golden Key International Honour Society for academic achievement
- Recipient of the 2024 Executive Dean's Recognition of Academic Excellence.

Work Experience

insightfactory.ai
Adelaide, Australia

FULL-STACK ENGINEER
May 2025 - Present

- Led the architectural design and development of production features across the platform using .NET, C#, React, TypeScript, and SQL Server, ensuring scalability, maintainability, and clear system boundaries.
- Owned end-to-end feature delivery, from requirement engineering and technical scoping to implementation, testing, and deployment, improving team delivery velocity and code quality.
- Designed and implemented core business logic workflows, contributing to high-impact product modules and collaborating with cross-functional teams to align technical decisions with business needs.

Aubot
Melbourne, Australia (Remote)

SOFTWARE ENGINEER INTERN
Nov. 2024 - Mar. 2025

- Developed backend features for the Aubot Academy platform using Django, optimizing database query efficiency to improve latency by 10ms and boost real-time responsiveness for over 150 active students.
- Assessed, curated, and ported over 520 programming exercises in algorithms, data structures, Advanced Python and Java onto the platform, enhancing the learning resources for over 8,900 students on Aubot Academy.

Australian Institute for Machine Learning
Adelaide, Australia

RESEARCH ASSISTANT
Nov. 2024 - Mar.2025

- Leveraged Meta Aria Glass and Repaper devices for data collection, contributing critical datasets for training touch interaction models and successfully identified useful data from the devices by reading documentation and SDKs.
- Designed and proposed a novel synchronization method, utilizing Python and custom algorithms, achieving an average latency reduction of 100ms between devices.

Projects

Awaire.ai
Apr. 2025 - Dec. 2025

C#, .NET 8, SQL SERVER, REACT.JS, TYPESCRIPT
Proprietary

- Served as Team Lead and full-stack engineer building a large-scale requirement-engineering platform for enterprise clients.
- Designed and implemented a hierarchical project-management system based on Afterburner's FLEX methodology.
- Developed core business logic services in .NET, optimized SQL Server queries, and contributed to scalable system architecture decisions.
- Collaborated closely with Afterburner stakeholders to translate complex business processes into intuitive workflow UX.

Maptek Geological Block Compression Project
Aug. 2025 - Nov. 2025

C++, DATA COMPRESSION, ALGORITHMS, MULTITHREADING
Proprietary

- Engineered a high-performance compression algorithm for geological block models targeting extreme file-size reduction with minimal decompression error.
- Optimized memory usage and computation throughput, experimenting with quantization, spatial indexing, and multithreaded encoding pipelines.

Moodist Mobile (Collaboration Project)

Oct. 2025 - Present

TypeScript, React Native, Expo, Zustand, REST APIs

moodist.mvze.net 🔗

- Collaborating with the original creator of Moodist to port the existing web application into a fully featured mobile app with React Native and Expo.
- Re-engineering UI components and user flows for mobile interaction patterns while preserving the design principles of the original platform.
- Integrating REST APIs and building state management with Zustand to ensure smooth, performant, and scalable app behavior.
- Enhancing accessibility, mobile responsiveness, and user experience through improved navigation and gesture support.

Fanta Create

Sep. 2024 - Feb. 2025

TypeScript, Next.js, React.js, MongoDB Atlas, Clerk, Tailwind CSS, Stripe, Cloudinary

fanta-create.vercel.app 🔗

- Developed an AI-powered platform for creators to generate images from prompts and utilize advanced editing tools like AI-assisted cropping and expansion.
- Implemented secure user authentication with Clerk, optimized data storage with MongoDB Atlas, and integrated Stripe for seamless payment processing.

WealthTracker

Mar. 2025 - May. 2025

TypeScript, React, Vite, Express, Tailwind CSS, Shadcn/ui, Drizzle ORM, NeonDB, Passport.js, Recharts

Repository

- Developed a full-stack wealth tracking application featuring portfolio management and visualization.
- Implemented secure user authentication using Google OAuth 2.0 via Passport.js.
- Created interactive portfolio pages with data charts and CRUD operations for managing positions.
- Built an admin panel for user management and system configuration.

Extracurricular Activity

Society of Data Analysis and Quantitative, University of Adelaide

South Australia, Australia

Executive Committee (Secretary)

Jul. 2024 - Apr. 2025

- Managed official documentation and communications while organizing committee meetings and coordinating society activities related to quantitative analysis and data science.

Skills

Languages	TypeScript, JavaScript, C#, Python, Java, C++, C, SQL, Bash
Frameworks & Libraries	React.js, Next.js, React Native, Node.js, Express, .NET, Django, Tailwind CSS, Shadcn/ui, Vite, Qt
Databases & Cloud	PostgreSQL, MongoDB Atlas, SQLite, Redis, NeonDB, Drizzle ORM, Cloudinary
DevOps & Tools	Git, GitHub Actions, Docker, Vercel, Expo, Clerk, Stripe, REST APIs, gRPC, CI/CD pipelines
System Design & Architecture	Microservices, API design, distributed systems fundamentals, scalable backend architecture, business logic design
Soft Skills	Technical leadership, rapid learning, teamwork, communication, requirement engineering, problem solving