RAZ FRIMAN

📞 +61 (401) 384-652

✉ raz@friman.au

↗ raz.friman.au

🐙 razfriman

in /in/razfriman

EDUCATION

M.S. COMPUTER SCIENCE DALLAS, TX
SOUTHERN METHODIST UNIVERISTY | 2015 - 2016

B.S. COMPUTER SCIENCE   DALLAS, TX
SOUTHERN METHODIST UNIVERISTY | 2012 - 2016

- Minor in Mathematics
- Specialization in Cybersecurity

PROGRAMMING LANGUAGES

C#
Java
TypeScript
Python

TECHNOLOGIES

Amazon Web Services / Cloudflare / Vercel
DynamoDB / PostgreSQL / MongoDB
ElasticSearch / Prometheus / Jaeger
Docker / Testcontainers
Generative AI / LLM Prompt / LLM
Evaluation
Protocol Buffers
Bazel
React

INTERESTS

Line Dancing

LANGUAGES

English (US Citizen, AUS Citizen)
Hebrew

WORK EXPERIENCE

CANVA
MAR 2023 - PRESENT   **STAFF SOFTWARE ENGINEER**

- Delivered high-impact AI design-generation capabilities across Image2Design, Website Design Generation, and Guided Presentation Generation, while also rapidly prototyping and shipping novel techniques such as differential-diffusion background generation (CMDBG), LLM-guided design creation (Mango), and LLM-generated TypeScript-to-design translation (Mosaic) — accelerating Canva's generative design roadmap.
- Productionized LocalDevProxy, evolving a rough prototype into a stable, first-class local development platform used by 70+ engineers across 8+ teams to dramatically speed up backend iteration.

NOV 2018 - MAR 2023   **SENIOR SOFTWARE ENGINEER**

- Designed and implemented a system to search and index the entire library of ~4,000,000 Canva templates in ~100 locales globally
- Implemented real-time system to count publishes of templates for Template Creators who get paid per template usage

SPACEX   **SOFTWARE ENGINEER II**
MAY 2016 - DEC 2017

- Designed and implemented integrations for commands and telemetry into the mission-critical system for procedure running and authoring used by all launch engineers
- Implemented the algorithm that assigns Falcon-9 serial numbers to each SpaceX rocket booster, which affects every department integrating their code with the rocket
- Created and implemented a framework that tags serial numbers and missions to rocket boosters for the purpose of rocket reusability management

IN-COM DATA SYSTEMS   **SOFTWARE ENGINEER**
JAN 2010 - MAY 2016
DEC 2017 - NOV 2018 (REMOTE)

- Designed and implemented Language Parsing Framework
  - Currently in use at JP-Morgan, Thompson Reuters, Nissan Motors, Southwest Airlines and other Fortune-500 companies
  - Supports: COBOL, Java, C#, VB.NET, VB6, C, Assembly
- Architected and implemented a Chatbot application platform
  - AI integrations: Google DialogFlow, Watson AI, Microsoft Luis
  - Platform integrations: Web, Slack, Discord, Skype for Business, Facebook Messenger

PROJECTS

BOOTSTEPPER

TYPESCRIPT, POSTGRESQL, REACT, TANSTACK START | 2025 - PRESENT

Built a modern, mobile-optimized line dancing platform that replaces outdated line-dance sites with instant search, powerful filtering, curated videos, and advanced playlist tools. Developed an AI-assisted step-sheet editor, real-time analytics for dances and choreographers, and event-host features like live-session management, request handling, and auto-generated timetables — creating a fast, creator-friendly hub for the entire line-dance community.
600 Users, 160,000 Dances, 22,000 Choreographers, 70,000 Songs, 650,000 Videos.

RAZTRACKER

C#, MONGODB, ANGULAR | 2021 - 2023

Fortnite Analytics application that processes existing gameplay recordings from Unreal Engine 5. Provides insights to players for match history and player performance, via reverse engineering Unreal Engine 5 gameplay recordings.
2,000 Users, 300,000 Matches, 10M Players, 30M Player-events analysed.