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EDUCATION

B.S.E, Computer Science, Minor in Economics
University of Florida, Gainesville, FL

Aug 2017 - May 2022

RELEVANT EXPERIENCE

Discord

Oct 2023 - Present

Product Engineer (Quests, Ads) — TypeScript, React, React Native, Node.js, Python, GCloud, PostgreSQL, ScyllaDB, BigQuery

- Part of first advertising-focused team (AKA [Quests](#)), expanding from 1 six-engineer team to now 4 teams
- Co-led development of the first Shop-integrated Quest. Launched a full-stack MVP in <4 weeks. Campaign for Amazon Games reached 6M+ users and 150K+ rewards, with 50% reach international. [Also viral on Twitter](#)
- Led integration of [Discord Orbs](#) (virtual currency) for Quests. Partnered with Payments and Shop teams over 6 months to deliver API/UI overhaul for a 200K-user public beta, with >25M Orbs paid out in first 24hrs
- Co-built the first internal UI tools for Quest launches. Led onboarding for non-technical ad ops users via training sessions and documentation. Tool is now our primary launch method, with dozens of successful campaigns
- Conducted 10+ interviews for mid and senior-level engineers across the ads org and contributed to hiring calibration discussions.
- Accessibility ambassador for the ads department, conducting UI audits and leading accessibility knowledge-sharing among engineers.

The Marriage Pact

Jun 2021 - May 2023

Founding Full-Stack Engineer — Elixir, Rust, Python (FastAPI), React, AWS ECS, PostgreSQL, Neo4j, Docker

- 1st engineering hire at Stanford-originated social dating startup, raised \$5M seed round in Feb 2022 led by Bain Capital Ventures.
- Designed and led development of our proprietary real-time matchmaking graph, built on Elixir, Rust, WebGPU and RabbitMQ, capable of matching 1M total users in real-time and syncing >100 updates/sec
- Solo built + launched Elixir/Postgres-backed core REST/real-time socket API for the Checkmate App, reaching 50k DAU, #15 in the App Store's social category, and >400k requests/hr. Included ~500 unit/integration tests
- Solo built + launched propriety social recommendation graph for Checkmate, built on Elixir and Neo4j (with custom-built Elixir driver), handling 20M unique nodes and 45M unique edges at peak production
- Built companies custom DevOps CLI in Python to run tests, build Docker artifacts, run migrations, and deploy to new/existing AWS ECS services automatically, or scaffold new services from scratch via Cloudformation
- Built + launched the company's first React-based user account portal and Python-based API to securely collect and analyze user submission data for over 200k students across 87 U.S. universities.

Studio Reach Software

Apr 2019 - Apr 2021

Co-Founder, CEO — TypeScript, React, Node.js, Docker, Firebase, App Engine

- Bootstrapped software consultancy, helping founders launch mobile and web-based startups
- Built company to \$6K monthly revenue within 6 months and \$23K annual profit after first year
- Built and deployed 5 full-stack React/Node applications to production over a 2 year period, including clients from BioTech, Healthcare, and Real Estate industries. Hosted on GCloud
- Led development team of 3 engineers and implemented weekly product performance reviews with clients, weekly story prioritization meetings, and weekly feature releases through an automated DevOps pipeline
- Launched real-estate agent matchmaking service AreYouHouseReady with 50+ agents subscribed to paid tier

SKILLS & INTERESTS

Languages & Technologies: TypeScript, React/Next.js, Node, Python, Elixir, Rust, PostgreSQL, WebAssembly
Interests: Social web, real-time collaboration, browser tech, human-AI interaction design