Andrew Thresher

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KEY SKILLS AND COMPETENCIES

- MySQL, MariaDB, Redis
- Serverless Cloud Deployment
- Cloud Services (GCP, AWS)
- Docker (Containerization)

- Typescript (Javascript), Ruby
- Software Architecture
- Node, Express, GraphQL, Sequelize
- ReactJS, HTML, CSS

- Git & Documentation
- Automated Testing
- CI/CD Pipelines
- Agile/Scrum

EXPERIENCE

Dottid, Dallas, Texas   **Nov 2021-Nov 2023**

Dottid is a Venture-backed PropTech Commercial Real Estate Software as a Service (SaaS) Provider of Leasing Workflow and Asset Management Software They offer cutting edge Integrations and first-party Software for Asset Owners & Managers of all sizes, mostly middle and upper-middle market.

Staff Software Engineer (Jun 2023-Nov 2023)

- Full-Stack feature development for Asset Management Software Expansion including Capital Expenditure Projects and Property Debt tracking.
- Identify and tackle technical debt to increase Code Quality, including MySQL Database Schema and API design.
- Create, expand, and maintain shared private dependencies available in private NPM Repository
- Mentor peers and carry out code-reviews on other contributor's Pull Requests
- Lead all technical enhancement research/efforts for our Backend Services

Key Accomplishments:

- Produced a fully featured Integration with MRI (largest CRE Accounting Platform) from scratch, syncing Company Data both ways between platforms.
  - Built a Typescript NodeJS SDK for developers to interact with a 3rd party API.
  - Built efficient Batch Jobs w/ complex product requirement to Sync Customer Data (Leases, Property Information, etc.)
  - Worked with MRI Technical Documentation and Staff to find solutions to issues.
  - Complete Testing Suite (TDD) built using Jest w/ over 95% test coverage.
  - Won the MRI New Partner of the Year Award 2023
- Transitioned Architecture from an inherited distributed monolith architecture to a compact event-driven micro-services environment
  - Utilize GCP (Cloud) APIs such as PubSub, SecretManager, CloudRun, Kubernetes etc.
  - Decreased feature implementation time for peers
- Won the Company-Wide Accountability Award for my contributions and speed of delivery.

Software Engineer (Nov 2021-Jun 2023)

- Full-Stack feature development for Lease Workflow software, utilizing React, Node, and GraphQL
- Identify and remedy automated unit testing coverage issues (TDD)
- Assist and Document Development transition to an Apple-Silicon based workflow.
- Operate in an Agile Scrum environment following rituals such as Planning, Pointing, and Retrospectives
- Write technical requirements and tasks to lead the team towards product delivery.

Key Accomplishments:

- Produced a fully featured Integration with Altus's Argus (largest CRE Valuation Platform) from scratch, Pulling Market Leasing Assumptions into Dottid's Workflow software.
- Expanded our GraphQL API in size by double, contributing to API Design
- Built a system for migrating our application database (MySQL).
- Abstracted our Cloud Boundaries to be independent of cloud provider.

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Copart, Addison, Texas   **Jan 2020-Oct 2021**

Copart is the largest Auto-Auction in the world, with a market capitalization of over $40 Billion. Publicly traded under ticket CPRT. They maintain a fully digital Auction presence across the globe, and process millions of cars per year.

Senior Software Engineer (Feb 2021-Nov 2021)
- Lead a team of 4 Engineers.
- Provide application performance and anonymous user metrics to leadership.
- Run a CI/CD Pipeline in Jenkins, and Deployments onto K8s on company-owned hardware.
- Lead technical interviews of potential hires and provide opinion on hiring decisions.

Key Accomplishments:
- Design an in-house metrics system utilizing ReactJS, Ruby, and MariaDB from scratch.
- Increased usage of owned applications by double

Software Engineer (Jan 2020-Feb 2021)
- Maintain and expand existing REST API Endpoints in Ruby utilizing JRuby
- Contribute and Expand team-wide shared dependencies.

Key Accomplishments:
- Built a document-ingest and production application using internal and external APIs used globally at Copart Title Centers
- Won the Samurai Award (x2), an award given to a technical contributor for high achievement.

OTHER EXPERIENCE

Cigar API (~1,500 lines) Live Here

Lightweight Cigar API as a front to a Cigar Datastore. Serverless deployment to GCP Cloud Run from a CI/CD Pipeline in Github. Made using Technologies: Typescript, NodeJS, ExpressJS, Sequelize

Quizus.IO (~3,000 lines) Previously available, now closed.

Program to help student collaborate during exams live during the COVID-19 Pandemic. Utilizes both a REST API as well as Web Sockets for live chat and ratings. Made using Technologies: MongoDB, ReactJS, NodeJS, ExpressJS, Socket.IO

SwapGuns (~2,000 lines) In Development

Online Collector Gun-Auction website, like CarsandBids and BringaTrailer for Cars! Made using: Auth0, Typescript, Jest (Testing), ReactJS, GraphQL, Sequelize

API Template (~1,500 lines) Publicly Available

Publicly available Typescript API Template featuring Tests, Graceful shutdown, logging, Boundary abstraction, and more!

Cars in Lane, LLC, Dallas, Texas   **2018-2020**
Founder & Manager   (2018-2020)

EDUCATION: **Coding Dojo, Dallas, TX**
                              Web Development Mastery Program
                              Graduated Highest Honors "Black Belt", 2019

                              Jesuit College Prep, Dallas, TX
                              Graduated 93 GPA, 2017