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

Staff Software Engineer   **Jun 2023-Nov 2023**

- Built Full-Stack features for Asset Management Software.
- Identified and tackled technical debt to increase Code Quality, including MySQL Database Schema and API design.
- Created, expanded, and maintained shared dependencies available in private NPM Repository.
- Mentored peers and carried out code-reviews on other contributor's Pull Requests.
- Lead all technical enhancement research/efforts for 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 utilizing over 10 3rd Party APIS for developers.
  - 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.
  - Increased customer conversion adding over $200k in ARR upon delivery.
  - 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.
  - Utilized GCP (Cloud) APIs such as PubSub, SecretManager, CloudRun, Kubernetes etc.
  - Built out 3 microservices, utilizing both Synchronous and Asynchronous communication.
  - Decreased feature implementation time in half for peers.
- Won the Company-Wide Accountability Award for my contributions and speed of delivery.

Software Engineer   **Nov 2021-Jun 2023**

- Built Full-Stack features for Lease Workflow software, utilizing React, Node, Express, and GraphQL.
- Identified and remedied automated unit testing coverage issues using Jest (TDD).
- Assisted and Documented Development transition to an Apple-Silicon based workflow.
- Created an Agile Scrum environment following rituals such as Planning, Pointing, and Retrospectives.
- Wrote 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), reducing migration errors by over 80%.
- Delivered significant SaaS Features such as: Capital Expenditure Project tracking, Leasing Performance, Leasing Goal tracking.
- Abstracted Cloud Boundaries to be independent of cloud provider.

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Copart, Addison, Texas

Senior Software Engineer   **Feb 2021-Nov 2021**

- Lead a team of 4 Engineers.
- Provided application performance and anonymous user metrics to leadership.
- Ran a CI/CD Pipeline in Jenkins, and Deployments onto K8s on company-owned hardware.
- Lead technical interviews of potential hires and provided opinion on hiring decisions.

Key Accomplishments:

- Designed an in-house metrics system with 10 different metric categories utilizing ReactJS, Ruby, and MariaDB from scratch.
- Rewrote a service with over 40,000 lines of code to increase performance and maintainability.
- Increased client usage of owned applications by double.

Software Engineer   **Jan 2020-Feb 2021**

- Maintained and expanded existing REST API Endpoints in Ruby utilizing JRuby, Sinatra, Ruby Sequel, Java SOLR, Apache.
- Build UI features for Yard-keeping applications using ReactJS.

Key Accomplishments:

- Built a document-ingest and production application using internal and external APIs used thousands of times per day at Copart Title Centers.
- Won the Samurai Award (x2), an award given to a technical contributor for high achievement.

OTHER EXPERIENCE

Cigar API (>5,000 Users, 100% Uptime) 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

- Started and Operated a Licensed Used Car Dealer in TX.
- Bought and Sold used European and Japanese vehicles.
- Operated a physical storefront.

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

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