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Keegan Jorgensen

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EMPLOYMENT

Caretaker **Head of Engineering** **July 2019 - Present**

- Started as Internal Tools Lead, promoted to Head of Engineering in July 2020.
- Led development of all infrastructure, tooling, and applications at Caretaker.
- Implemented full lifecycle, landlord configurable, automated apartment maintenance system.
- Created automated service dispatch system for damages reported within apartments.
- Designed algorithm to automate repricing of public listings, reduced ops time spent on repricing to 0.
- Created per listing Q&A system for listers to publicly manage listing questions, cut out redundant questions.
- Architected syndication feed for third party listing sites, kept listings in sync across over 50 services.
- Developed duplicate image detection system, cut down on manual review of scam listings by over 50%.
- Created a CI/CD system within Github actions on top of a monorepo, brought deploy steps down to 1 click.
- Utilized Google Vision APIs to automate ordering of apartment photos based on content.

Third Iron **Senior Backend Engineer** **October 2017 - June 2019**

- Scaled server infrastructure to handle rapidly increasing customer demand.
- Created automated load testing system based on artillery.io to verify performance of live infrastructure.
- Fine tuned complex PostgreSQL queries and NodeJS backends to handle increasing load.
- Migrated production Javascript backends and frontends to Typescript to reduce typing errors.
- Developed CircleCI 2.0 CI/CD infrastructure, Docker images for development and release.
- Orchestrated AWS EC2, Opsworks, and ECS infrastructure and maintenance.
- Designed academic metadata synchronization systems for CrossRef and Pubmed.

Spreetail **Software Team Lead** **May 2015 - June 2017**

- Started as Software Engineer, promoted to Software Team Lead in October 2015.
- Managed development of software for Account Management, Content, Marketing, and Marketplace teams.
- Created and taught classes on technical and non-technical subjects to departments across Spreetail.
- Vetted, architected, and prioritized new project proposals from stakeholders and engineers.
- Spearheaded a "Dead Code" removal initiative, removed 28 deprecated sections of code from codebase monthly.
- Designed a unified inventory catalog syndication system. Balanced load across microservices with RabbitMQ.
- Reduced average price update time from 3 hours to 2 minutes on formerly slow marketplaces.
- Reverse engineered Amazon Merchant Web Services API to dynamically generate schemas on a per item basis.
- Designed CrossLister, an item detail abstraction flow. Saved each account manager 2 hours of work daily.
- Led hackathon team creation of pricing automation tool, saved account managers hours weekly in price research.

EDUCATION

University of Nebraska, Lincoln **B.S.E Computer Engineering** **August 2011 - May 2015**

- B.S.E. in Computer Engineering with Minor in Business. GPA: 3.8.
- Jeffrey Raikes School of Computer Science and Business (cohort of 20) and University Honors.

TECHNOLOGIES

Languages	Typescript · Javascript · SQL · C# · Bash
Frameworks	NodeJS · React · Apollo · Express · Mocha · Sinon · .NET Core · Artillery.io · Electron · Entity Framework · Bootstrap · Tailwind · Linq · jQuery · KnockoutJS · Xunit · AngularJS · Sinon · Mocha · Karma · Chrome Embedded Framework
Platforms	AWS · Github · CircleCI · Heroku · Google Cloud
Tools	PostgreSQL · GraphQL · RabbitMQ · Webpack · Docker · Vagrant · Git · SQL Server · SQLite · Redis · TablePlus · Visual Studio Code · Yarn · tmux · Gitlab · Jira