Thomas O'Neil

Principal Software Engineer

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Work History

EasyPost - San Francisco, CA

Senior Engineer (Oct 2022 - Present)

- Designed, implemented, and migrated a **usage-based, stats-driven** billing application, dramatically simplifying billing for a new product.
- Streamlined processes to reduce manual work and **improve accuracy in billing operations**.
- Served as **acting tech lead** for the Finance Engineering team, **mentoring other engineers.**

Fastly - San Francisco, CA

Principal Engineer (Oct 2020 - Oct 2022)

- Designed and deployed a **distributed messaging queue system** for cross-service communication, usage aggregation, and stats collection.
- Replaced a legacy billing platform with a third-party solution while maintaining all core user features.
- Enabled **near real-time billing** and reduced new product billing implementations to configuration-only.
- Built tools that allowed finance teams to manage billing configuration **independently**.

Engineering Manager (Oct 2019 - Oct 2020)

- Managed the **Data Insights engineering team** responsible for data acquisition and delivery, with emphasis on usage aggregation for billing.
- Led cross-team integrations of new and existing data into reports and billing applications.

Senior Engineer (Jan 2017 - Oct 2020)

- Developed platform and API services in Ruby supporting Fastly's scaling infrastructure.

Engineer (Oct 2013 - Jan 2017)

Huddler (Acquired by Wikia) - San Francisco, CA

QA Automation Engineer & Integration Engineer (Dec 2012 - Oct 2013)

- Developed **automated test platform and test suites** to improve application reliability and quality.
- Implemented frameworks and tools to validate functionality and support continuous integration.

Integration Engineer (Jan 2010 - Dec 2012)

- Developed a highly configurable platform for data migration from various forum software platforms to the Huddler ecosystem.

Education

Michigan Technological University – Houghton, MI
Bachelor of Science, Software Engineering

Skills

Languages & Frameworks
Ruby on Rails, JavaScript, Python, Sinatra, Go

Databases
MySQL, PostgreSQL

Tools
NSQ, Sidekiq, Chef, Google Cloud Platform (GCP)

Awards

Eagle Scout - Scouting America (2002)