Jesse O'Connor

Backend Software Engineer

603.731.5283 • jessekoconnor@gmail.com • jessekoconnor.com

Accomplished individual contributor with 13 years of industry experience and a passion for mentoring engineers and designing scalable solutions.

Experience

Meta, NYC, remote   March 2022 – April 2023
Senior Software Engineer, Backend

Lead of kustomer platform automations team (Workflows, Business Rules, Queues & Routing).

- **Saved \$10k/mo and reduced bug count by 97%** in the distributed routing system. Results derived from two projects proposed and led that were delivered in parallel. (5 engineers × 6mo)

Node.js · Mongo · Distributed Event Driven Systems · Commands pattern

- **Resolved core product bottleneck** by implementing a highly reliable and scalable solution architected in collaboration with the engineering director. Surpassed adoption goals, reaching 2k organizations. (3 engineers × 9mo)

Node.js · Mongo · SQS visibility timeout · Serial execution

- **Conducted org-wide presentation on Node.js** to 300 viewers, covering event loop, thread pool, concurrent programming, and blocking operations. Received overwhelmingly positive feedback.

Skills

Languages:	Node.js (11 years), Python, TypeScript, JavaScript
Databases:	MongoDB (11 years), DynamoDB, PostgreSQL
Infrastructure:	AWS (Lambda, SQS, S3, EBS), Docker, Kubernetes
Patterns:	Event-Driven Architecture, Distributed Systems, CQRS

Projects

DashMobile, Personal Project   July 2022 – Present
Creator

React Native app with Node.js Lambda backend. Scrapes local venue websites to aggregate live music events.

- **Leverages slim Chromium below Lambda size limit** with Puppeteer
- **Different sites run in parallel** Lambda functions for maximal performance
- **Caches results for one day** to avoid abusive behavior toward local businesses