



Tom Gallagher

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Tom Gallagher
Full Stack Software Engineer
<https://www.tgalg.com/>

Career Objective

Dynamic Full Stack Web Developer and Platform Architect with a proven track record of leveraging cutting-edge technologies to drive customer engagement and operational efficiency. Quick to master new languages and tool suites. Known for thriving in both remote and in-person settings, and for bringing a test-driven, collaborative approach to team projects. Currently seeking a challenging new role where I can utilize my technical skills and passion for innovation.

Technical Proficiencies

- Languages: (Node.js) TypeScript, JavaScript, Ruby
- Frameworks/Libraries: React, React Native, Next.js, TailwindCSS, Prisma
- Database Systems: PostgreSQL
- Cloud Services: AWS
- Methodologies: Test-Driven Development

Experience

December 2019 - April 2023

Adalo

Software Engineer II

Progressed from Junior Software Engineer to Software Engineer II, contributing to a full-stack Node.js environment primarily using TypeScript/JavaScript.

Played key roles in the development of critical features such as:

- **Custom API Actions:** Developed a feature that allowed users to easily interact with third-party services, significantly enhancing the platform's versatility and user satisfaction. This innovation expanded the variety of use cases our platform could support, contributing to improved user retention.
- **Automated Native App Publishing:** Implemented an automated process that greatly reduced manual workload in the native app publishing process. This improvement led to a quicker time-to-market for users' apps, significantly enhancing the overall user experience.
- **Microservice for Load Balancing Custom Domains:** Spearheaded the design and development of a load balancing microservice using Docker, AWS ECS, and HAProxy. This microservice automatically handled new custom domains added by users, ensuring optimal load balancing and boosting system performance, which paved the way for the platform's scalability.
- **Tier-based Subscriptions:** Led the creation of a multi-tier subscription system to diversify revenue streams and cater to a wider range of user needs. This new system boosted our subscription revenue while providing more customization options for users.
- **Adalo 2.0 Responsive Apps - "Build Once, Publish Everywhere":** Played a pivotal role in the redevelopment of our platform's app-building editor/canvas, enhancing its capability to handle dynamic responsive designs. This innovative

feature enabled creators to build an app once and deploy it to both mobile and web platforms, thereby streamlining the development process. Although I left before witnessing its long-term impact, the update was received positively, bolstering the platform's appeal by adding greater flexibility for our users.

July 2018 - November 2019

Post Holdings, Inc

Junior Technical Architect

- Streamlined core platform operations through the development of automation scripts that interact with APIs.
- Assisted in the migration of data lake from Oracle to Snowflake Cloud Platform.
- Authored and maintained comprehensive technical architecture documents.
- Utilized Python to automate various internal tasks and set up a clustered agent environment for Informatica Cloud to offload processing.

May 2016 - August 2016

Global Velocity

Software Developer Intern

- Collaborated with a team of engineers using GitHub, Trello, SourceTree, and other applications, honing skills in Scala and web development.
- Assisted with web-scrape security platform by creating check recognition software using Tesseract OCR, C++, and Scala.
- Ensured product quality through unit tests and Selenium web browser automation.

Education

- **Web Developer Bootcamp**, Udemy, May 2018
- **Bachelor of Science, Electrical Engineering & Computer Science (Incomplete)**, University of Kansas, January 2015 – May 2018.