

Shaun Gallagher

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WORK EXPERIENCE

Senior Engineering Manager

Octane Lending - November 2021 to Present

I lead a backend team responsible for Octane's core service: instant loan application decisioning for powersports and other major recreational purchases.

- Drove an estimated \$140 million in annual incremental originations through innovative credit policies to support market growth by integrating more high-quality data sources and refining our in-house credit modeling.
- Reduced application decision time from p50 of 60 seconds and p95 of nearly 120 seconds to a p50 of 20 seconds and a p95 of 30 seconds.
- Created an engineering onboarding hub, Octane University, and promoted the use of C4 system diagrams within the organization, achieving some level of adoption across all feature teams.
- In December 2022, I began managing a second team that handles post-approval backend services.

Principal Software Engineer

Encantos - April 2021 to October 2021

I led an engineering team that built applications to help children learn 21st-century skills. As the CTO's first engineering hire, I helped transition the company away from external contractors and consultants and built out a high-performing, in-house engineering team.

- Led a team responsible for all mobile backend efforts, along with all frontend/backend efforts for our web-based applications and interfaces.
- Expedited phase-out of high-priced consulting firm to reduce engineering costs
- Hired, onboarded, and managed distributed, international team
- Worked with CTO and product team to form and execute engineering roadmap
- Built core backend services that power the flagship Encantos mobile app

Engineering Manager

Kibo - September 2019 to April 2021

Kibo, an eCommerce company, acquired Monetate in 2019. I continued with the company until April 2021. I led two teams (later combined): Enterprise Integrations and Customer Data.

- Managed an international, all-remote team, with a half-dozen direct reports along with four contractors.
- Led technical efforts and co-dev for a Fortune 500, \$1.2M ACV client.
 - Enabled personalization across 80+ global sites (plus staging/testing environments).
 - Coordinated development of features to improve multi-domain experience management.
 - Led architecture and implementation of CMS integrations.
 - Maintained strong relationships with technical stakeholders, contributing to contract upsells.
- Led technical efforts and co-dev for a Fortune 100, \$480K ACV client.
 - Enabled personalization on flagship site.
 - Created new tools that enabled the client to build custom actions that could be easily configured by non-technical users.
 - Oversaw integration of client's headless CMS.
- Worked on compliance tools for GDPR/CCPA customer data privacy laws.

Software Architect - Enterprise Integrations

Monetate - September 2017 to August 2019

I was the tech lead for a small engineering team (two other developers) that did co-development work for our enterprise clients. Projects included:

- a system for applying transforms to clients' CMS data
- designing caching and cache-invalidation APIs for clients' content
- a mechanism to create UIs with validated form inputs from JSON data
- a tool that allows clients to apply additional logic before impressions are recorded
- performance tuning of critical backend services that support omnichannel integrations
- GDPR/CCPA compliance (including APIs for data access and data removal requests)

Senior Software Engineer

Monetate - July 2011 to September 2017

During my first two years at Monetate, I created client-specific integrations in raw JS. I later moved to the product engineering team, where I did full-stack development (mostly Python/Django and Javascript/Closure/Angular/React) and contributed to many projects, including:

- a web-based dynamic image compositing tool
- open-time email personalization
- a variety of dashboards and analytics UIs
- a platform to ingest and process customer data
- an ML-driven algorithm to predict customers' next moves

- ML-driven decision making using customer context

Web Update Editor

The News Journal - Wilmington, Del., August 2007 to August 2011

I was responsible for promoting all editorial content to the DelawareOnline.com homepage. I also built tools (in JS and PHP) that allowed us to auto-generate stories with a single click, dashboards that we could overlay on our website to get stats at a glance, and interactive web applications that allowed us to communicate complex data in a way that resonated with readers.

Deputy Copy Chief

Forbes.com - New York, N.Y., March 2006 to August 2007

I was hired as a copy editor and later became the deputy copy chief. I copy-edited and prepared stories for the Web, edited video scripts and compiled email newsletters.

Copy Editor

Men's Journal - New York, N.Y., November 2005 to January 2006

I copy-edited for all sections of the magazine and helped coordinate the page proof process.

Managing Editor

Delaware Today magazine - Wilmington, Del., December 2001 to August 2004

As managing editor, I was in charge of tracking each page through the editorial process and enforcing deadlines. I was also the primary liaison for our freelancers. I also coded dynamic content for the magazine's website, including photo galleries and reader polls.

TECHNICAL SKILLS

Languages: Primarily Python, JavaScript, PHP. A smattering of Java, C#, C.

Frameworks/Libraries: Django, React, React-Admin, Angular, Closure, jQuery.

Databases: MySQL, Postgres, Athena, limited experience with Snowflake.

Methodologies/Specs: Agile, TDD, Serverless, Microservices, REST, OpenAPI.

Cloud Services: AWS

Distributed Computing: Apache Spark

EDUCATION

BA in English with a Concentration in Journalism

University of Delaware, 2002

BOOKS

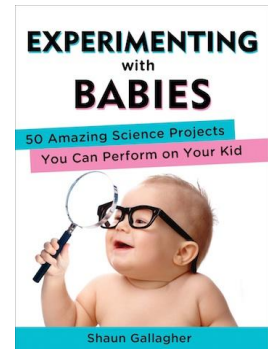
Experimenting With Babies: 50 Amazing Science Projects You Can Perform on Your Kid

<http://www.experimentingwithbabies.com>

Published in October 2013 by TarcherPerigee, a paperback imprint of Penguin Random House.

Experimenting With Babies shows parents how to recreate landmark scientific studies on cognitive, motor, social and behavioral development — using their own bundles of joy as the research subjects.

The book has sold more than 90,000 copies. In March 2019, CBS aired an episode of “The Big Bang Theory” in which Sheldon discovers a copy of *Experimenting With Babies* and uses it to perform science projects on his friends’ children.



Correlated: Surprising Connections Between Seemingly Unrelated Things

<http://www.correlated.org/book.html>

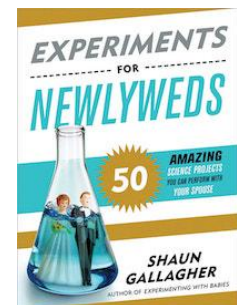
Published in July 2014 by TarcherPerigee, a paperback imprint of Penguin Random House.

Experiments for Newlyweds: 50 Amazing Science Projects You Can Perform With Your Spouse

<http://newlywed.science>

Published in April 2019 by Sourcebooks.

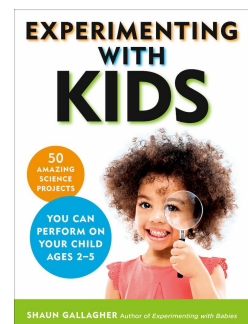
In “Experiments for Newlyweds,” you’ll find 50 science projects, based on real academic research in fields such as psychology, game theory, and more, designed for you and your partner to complete together. Uncover the ways your emotions can alter your perception of the world around you, explore the connection between language and memory, and examine your relationship through a scientific lens.



Experimenting With Kids: 50 Amazing Science Projects You Can Perform on Your Child Ages 2-5

<http://www.experimentingwithbabies.com/kids>

Published in May 2020. Published by TarcherPerigee, a paperback imprint of Penguin Random House.



As in “Experimenting With Babies,” parents will learn how to recreate landmark scientific studies on cognitive, motor, social and behavioral development — using their own preschooler as the research subject.