

Ryan Smith

Asheville, NC | (407) 782 - 6825 | ryanthesmith@gmail.com | [LinkedIn](#) | [Portfolio](#)

Full Stack Software Engineer | Solution Engineer | Professional Services Engineer | Educator

Tech professional with experience in engineering and professional services across diverse sectors, including e-commerce, data security, B2B, SaaS, ed-tech, and consulting. Expertise with scalable & secure application design & development, cross-functional leadership, and client communication (from IT to C-level). Product-centric, customer-focused driver of technical solutions & innovations from inception to implementation and continued iterations & support.

CORE SKILLS

Programming: Node.js ♦ Javascript | Typescript ♦ React ♦ HTML ♦ CSS ♦ API Development & Integrations ♦ Service-oriented Architecture ♦ REST ♦ GraphQL | **Data:** MySQL ♦ PostgreSQL ♦ MongoDB | **DevOps:** AWS Ecosystem ♦ CI/CD ♦ Docker ♦ Git ♦ Automated Testing ♦ Logging & Metrics | **Other:** Technical Leadership ♦ Agile Methodologies ♦ Cross-functional Collaboration and Client Communication (IT, Product, Marketing, C-level)

PROFESSIONAL EXPERIENCE

Freelance Web Developer & Consultant

Asheville, NC | July 2022 - Sept 2023, Feb 2024 - Present

- Built an app development framework for rapid prototyping & deployment (originally for an accounting startup) including low-code database and API design, drag-and-drop frontend builder, and automation tool for integrations and AI-powered workflows, using RESTful APIs, Docker, AWS Serverless ecosystem, Pulumi as IaC, PostgreSQL, OpenAI, and a network of orchestrated self-hosted open-source tools
- Developed and launched a website for an environmental and social activism organization in Ecuador, incorporating scheduling, courses & services catalog, multilingual translation, login controls, and payment processing (CMS & plugins)
- Consulted with founders of a \$6M ag-tech company on no-code ERP, inventory, customer management, POS, and IAM best practices, leading to go-to-market strategies & execution

Housing.Cloud

NYC (remote-first) | Seed-funded; ~10 Employees | SaaS, B2B, B2C, Ed-tech

Solution Engineer

Oct 2023 - Jan 2024

- Responsible for ETL (extract, transform, load) of sensitive data (student rosters, facilities & inventory) for 60% of new clients in QA, Staging, and Production environments (Node.js, PostgreSQL & Prisma ORM)
- Coordinated with client IT teams & university leadership to implement SSO / SAML 2.0 integrations
- Led discovery sessions with administrators to understand & implement a diverse range of data & product requirements

Formative (Acquired by Newsela)

Santa Monica, CA | SaaS, B2B, B2C, Ed-tech

Senior Full Stack Software Engineer

Jan 2022 - June 2022

- Enhanced core educational catalog by formulating ETL scripts to integrate thousands of assessment items from 3rd-party providers (XML, Node.js, MongoDB)
- Developed auto-grading algorithms & interfaces (React, GraphQL, Node.js), reducing key customer pain points and saving educators countless work hours

Professional Career Break (Apr 2021 – Dec 2021): Took a professional career break and used this time to move from CA to NC (including a 2-month cross-country road trip) and explore opportunities.

LeapYear Technologies (Acquired by Snowflake)

Berkeley, CA | SaaS, B2B, Data Security

Software Engineer

Jan 2020 - Mar 2021

- A core developer of our admin dashboard (React) & API (GraphQL, NestJS, TypeORM) that allowed admins to efficiently coordinate data sources and manage IAM permissions
- Enabled faster builds & streamlined deployments by migrating monolith applications to microservice architecture (Docker, CircleCI, AWS ECR)

Symphony Commerce (Spun-off into Deliverr, a FlexPort co.)

San Francisco, CA | SaaS, B2B, E-commerce

Team Lead, Professional Services

July 2018 - Mar 2019

- Led an international remote team across three continents, focusing on product expertise, code standards, CI/CD, logging & debugging, automated testing, and an inclusive company culture
- Managed new tasks, stories, and epics and backlog prioritization & led sprint planning, standups, and retrospectives
- Architected & developed full-stack integrations such as back-in-stock alerts, price update notifications, inventory updates & fulfillment status updates (Node.js, AWS Lambda / DynamoDB / AWS API Gateway)

Senior Professional Services Engineer

Dec 2015 - July 2018

- Led the development and maintenance of warehouse integrations for multi-national vendors (syncing new orders, shipment statuses and updates & returns between our platform and warehouses)
- Worked closely with PepsiCo's senior IT team to design and integrate their CRM with our platform using OAuth API & Heroku (including data syncs and custom frontend components to gauge customer activity and preferences)
- Developed EDI integrations for Jack Links to track orders, lots, and fulfillment statuses on all orders
- Implemented a Serverless task runner (AWS Lambda) used by most clients for essential operational functions (file transfer, inventory coordination, catalog management, and other mission-critical tasks); eliminated duplication of dev effort by making jobs that could be configured by non-devs & clients
- Developed an npm file transfer library (FTP, SFTP) with encryption capabilities (OpenPGP, GPG) used for warehouse integrations, aforementioned task runner, and other large integrations; turned thousands of lines of code into one-liners for fellow developers
- Built a functionally configurable monitoring and alerting library (with pre-built plugins for Graylog, SignalFX, AWS Cloudwatch, Slack); 100% branch test coverage using Jest
- Designed and built an event-based SDK for site-front analytics, ratings/reviews, and other UI/UX enhancements, accelerating feature updates, developer productivity, and enhancing our overall DevEx

Learnable Prep

Orlando, FL | Math, Science, & Standardized Test Preparation

Founder & Instructor

2010 - 2015

Total Literacy Academy

Bangkok, Thailand | International K-12 & Business English Education

Lead English Teacher

2008 - 2010

EDUCATION & CERTIFICATIONS

Product School - Product Manager Certification

Hack Reactor - Advanced Software Engineering Immersive

University of Florida - B.S. in Biology *magna cum laude*, Minor in Business