Experience (Software Engineering)

DataGPT datagpt.com   July '22 – present
Senior Software Engineer

- Lead B2B SaaS product engineering of the "first conversational AI data analyst" ($10M seed funding)
- Designed a V1 product embedding solution using iframes and JWTs for partner clients
- Implemented precaching utility to seed all dashboards after deployments and ETL runs
- Architected user/event observability for our AI chat feature *using our own homegrown product*
- Meet directly with clients to support onboarding and integration
- Perform weekly production deployments and primary release engineer
- *Tech used: React, Tailwind, Typescript, NodeJS, Prisma ORM, PostgreSQL, Docker, AWS, Terraform, Python, BigQuery, OpenAI*

Level20 level20.com   Jan '20 – July '22
Full Stack Developer, Senior/Lead

- [Product A] Core engineer, first team hire Nov '20 to build a buy-now-pay-later credit card product
- Successfully influence major vendor partner selections; lead 8-week technical POC with key vendors
- Facilitate user testing & moderate in-depth interviews (IDIs) with consumers & industry experts
- Greenfield product ideation activities, design sprints, market research, competitive analysis
- Draft architecture diagrams: business, application, process, information
- [Product B] 2nd engineering hire Jan '20; limited launch June '20; full consumer launch Nov '20 of concierge home maintenance product callcastle.com
- Greenfield builds of consumer web applications using React, GraphQL, MySQL, PostgreSQL, AWS
- Greenfield build of internal call center web application using Retool, Twilio, GraphQL, MySQL
- Successfully influenced organization to use Pingdom, a synthetic monitoring SaaS solution
- 100-hr personal-time rebuild of call center app in React; failed to influence team away from Retool
- Optimized call center app performance: parallelize API calls, modify large GraphQL queries
- Successfully influenced team on V2 full-stack redesign of consumer self-service after limited launch
- Synthesize user feedback & product goals into technical requirements using Azure DevOps
- Perform database migrations in all environments including production using Prisma ORM
- Perform code reviews on GitHub and mentor junior/senior engineers
- *Tech used: Typescript, NodeJS, Apollo, PostgreSQL, Docker, NextJs, Jest, Yarn, Postman, MaterialUI, Terraform, CSS, HTML, VSCode, Figma, Miro, LucidChart, ProductPlan, AWS (S3, Route53, Cognito, Cloudfront, EC2, Amplify, CodePipeline, RDS, IAM, Lambda, Cloudwatch)*

Progressive Insurance progressive.com   Jan '15 – Jan '20
IT Applications Programmer, Intern/Associate/Intermediate/Senior

- Develop enterprise, consumer-facing web applications using Angular, .NET RESTful APIs
- Lead Scrum teams delivering new product features in 2-week sprints using Agile, Lean principles
- Create, lead community knowledge-sharing platform "S2ackOverFlo" for enterprise project developers; ultimately became primary resource for technical onboarding & upskilling

- Prototype, implement test automation solutions, standards & video content using Protractor
- Collaborate with 3rd party vendor IBM to implement Tealeaf session recording feature
- Create content, enhance platform "DevPlayground" for 300+ internal developers to learn & upskill
- Generate designs, prototypes, estimates for new features with minimal input information
- Mentor junior/peer developers, test engineers, analysts
- *Tech used: Typescript, RxJS, Redux, CSS, HTML, C#, SQL, Jasmine/Karma, Cucumber, MSTest, Azure DevOps, Visual Studio, VSCode*

Experience (Education)

Gilmour Academy   Aug '11 – Jun '16
Teacher, Mathematics & Computer Science
Coach, Boys Lacrosse & Ice Hockey

- Develop course & lesson objectives using backward planning & project-based learning activities
- Refashion dormant high school computer science curriculum using Scratch, Lego Robotics, Java; successfully expanded elective CS course enrollment from 10 to 80 students/year over three years
- Teach high school mathematics courses Algebra & AP Calculus; implement flipped classrooms
- Head coach five seasons of boys' lacrosse; assistant coach two seasons of boys' ice hockey

Education

MBA, *Case Western Reserve University*   Aug '21 – May '24

BS, Mathematics & Psychology, *Hobart College*   Aug '07 – May '11

Entrepreneurship

- Build conference online registration for nonprofit organization in 2021; enhance registration application, onboard more users in 2022, 2023, and 2024; annual 1k attendance
- Design & build static marketing website for political action committee in 2022
- *Tech used: React, GraphQL, AWS (Amplify, AppSync, Cognito, DynamoDB, Cloudwatch, Cloudfront, Route53), Wordpress, Siteground, Figma, Canva, Adobe Stock, Trello*

Conference Presentations

CodeMash *Sandusky, OH*   Jan '23

- "Cypress vs. Playwright: The best E2E testing frameworks go head-to-head" youtu.be/czvQUYpQ0Lo
- "Don't let user authentication stop you from building your web app!" youtu.be/X8zB61bcj84