

Kyle Whitaker

github.com/kylewhitaker

kylewhitaker.io

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"There's nothing less exciting than a developer's resume." - my wife

Experience (Software Engineering)

Level20 level20.com

Jan '20 – present

Full Stack Developer, Senior/Lead

- Product A: core engineer; first team hire Nov '20
- Product B: 2nd engineering hire Jan '20; limited launch June '20; full consumer launch Nov '20
- 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
- Initially rejected, yet ultimately influenced organization to use Cypress for E2E test automation
- 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
- 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
- Add'l tech: 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

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
- Add'l tech: Typescript, RxJS, Redux, CSS, HTML, C#, SQL, Jasmine/Karma, Cucumber, MSTest, Azure DevOps, Visual Studio, VSCode

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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

Entrepreneurship

- Build conference online registration for nonprofit organization, annual 1K attendance in 2021; enhance registration application, onboard more users in 2022
- 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

Education

MBA, *Case Western Reserve University*

Aug '21 – May '24

Mathematics & Psychology, *Hobart College*

Aug '07 – May '11

Certifications

AWS Certified Cloud Practitioner

Sept '20