

# Himanshu Singhal

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Results-driven product development enthusiast with a software engineering mindset and over 6 years of industry experience specializing in programming and designing scalable distributed systems. Proven track record collaborating with diverse organizations in the consumer product and services domain. Adept at thriving in Agile Development Environments.

## Technical Skills

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- **Languages:** Python, Golang, Java, JavaScript, SQL, GraphQL
- **Frameworks:** React.js, Gin, Django, FastAPI, Flask, REST, Cypress, Kafka
- **Databases and Tools:** PostgreSQL, Redis, Docker, CI/CD Pipelines, Git, AWS(EC2, S3, SQS, SNS, ELB), Terraform, K8s

## Work Experience

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### Syniti

Full Stack Developer - Backend Heavy

Remote, India

July 2021 – Present

- Took ownership of creating data profiling framework using python's library that helps businesses to determine data accuracy, risks, and overall trends to eliminate costly errors. This saved the business **\$S dollars** and improved their Data Quality.
- Created microservice using Golang that extracts data from GraphQL database to enrich Amazon QuickSight cloud-powered business analytics dashboard where customers get quick business insights from their data.
- Created a framework to generate pre-signed URL to enable our on-prem customers to upload data to Syniti's S3 bucket without providing them AWS security credentials or permissions.
- Worked in a team to implement internationalization(i18n) for front-end application to reach an audience beyond geographical boundaries and cultures.
- Made website more accessible for users with disabilities; improved element contrast ratio; made pages mouse navigable.
- Designed and implemented an automated testing framework for UI modules, crafting and executing hundreds of test cases. Successfully reduced manual testing dependency, resulting in significant time savings and improved overall testing efficiency.

### Quartic.ai

Full Stack Developer - Backend Heavy

Bangalore, India

Feb 2020 – June 2021

- Created microservice using FastAPI framework that acts as a proxy between other services in Quartic's platform.
- Optimised the back-end of a manufacturing process dashboard to reduce response time from minutes to a few seconds.
- Headed the effort to obfuscate all python repositories to safeguard against any intellectual property violations during on-site deployments.
- Integrated and Implemented Rest APIs for Microsoft PowerBI Analytics tool for live streaming of data.
- Collaborated in creation of an automation framework with QA team and integrated python scripts with a slack bot.
- Fixed bugs; Worked on product documentation; Mentoring junior developers; Led internship projects.

### Cuemath

Full Stack Developer

Bangalore, India

June 2018 – Jan 2020

- Wrote Annotation Processors for the Cuestudent app to reduce the screen load time from **120ms** to **40ms** and because of the boilerplate reduction development time to create new layouts and screens was reduced by a factor of half.
- Created features and maintained the Cuestudent app used by **50k+** daily active users while keeping the app compatible with different screen sizes and versions.
- Build and deployed RESTful Flask-based microservices; Build Architecture for Cuemath NCERT App.
- Worked with SEO team, optimized page loading time, and integrated and implemented Google Business Listings APIs on the Cuemath website, reducing manual effort hours for the content and curriculum team.
- Made UI changes in **Cuemath** website, revamped Data Capturing Signup form, Created Math's Olympiad Flow using React.js used by **30k+** enrolled students.

## Additional Experience and Achievements

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- **Open-Source Contributions (2017):** Enhanced client-side application performance and resolved bugs for organizations selected in Google Summer of Code. [\[My Contributions\]](#)
- **Nagarro Challenge:** Ranked **19th** in India in the HackerEarth Code-N-Counter Challenge, securing a runner-up position in a subsequent hackathon participation.

## Education

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Maharaja Agrasen Institute of Technology (GGSIPU)

B.Tech. Information Technology, 78%

Delhi, India

August 2014 – June 2018