

Harsh Sheth

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Education

- **National Institute of Technology Hamirpur**
Dual Degree CSE, CGPA: 8.33

Hamirpur(HP), India
2018 - 2023

Work Experience

91Trucks

Gurgaon(Haryana), India

SOFTWARE ENGINEER

August 2024 – Present

- Rewrote a monolithic Node.js application from scratch into a Go-based microservices architecture using the Gin framework powering a CRM mobile app enabling users to manage deals, track payments, log calls, and handle customer interactions.
- Deployed services to a Kubernetes cluster on GCP, ensuring high availability and efficient resource utilization.
- Integrated Google Cloud Services with Kubernetes using Workload Identity Federation, eliminating the need for storing service account keys in the environment, enhancing security

MAQ Software

Noida(UP), India

SOFTWARE ENGINEER - I

Nov, 2023 – July 2024

- Developed an automation solution, enhancing QA validation processes for a wide range of asset types significantly reducing manual QA labor by 4 hours per day per person.
- Employed Playwright using Node.js for link validation by opening links in a browser and applying regex-based searches to identify broken webpages, ensuring the reliability and accuracy of the automation process.
- Deployed Azure Functions using Docker, managing container images through Azure Container Registry, demonstrating proficiency in containerization and cloud deployment practices.
- Implemented a Python-based Azure Durable Function application to orchestrate the long-running download, processing, and update of large CSV datasets (approximately 50 million rows) within Azure Data Lake Storage.

Amazon

Gurgaon(Haryana), India

SOFTWARE DEVELOPMENT ENGINEER INTERN

Jan, 2023 – June 2023

- Implemented the HLD and migrated the widgets on Amazon Checkout page from perl-based framework to a new java-based framework which resulted in reducing the developer overhead of maintaining and debugging.
- Wrote comprehensive unit tests and UI automation tests using TestNG and Selenium.
- Resolved various critical bugs in a new backend service, contributing to its seamless launch and integration into the larger ecosystem.
- Demonstrated expertise in cloud infrastructure by creating CloudWatch dashboards utilizing the AWS-CDK library with TypeScript, and setting up alarms on key metrics.
- Prepared a bashscript to add colors to logs of different severity which improved the readability and reduced the time spent in logs.

Projects

Miku | *Node.js, Bash, Heroku, AWS, MongoDB, Puppeteer, FFmpeg*

[Source Code](#)

An open source Whatsapp bot written in Node.js that performs the following functions:

- Generates sticker from any image, video or video_url
- Send anime pics and gifs of requested category
- Reveal deleted messages in a chat *and many more interesting commands...*
- The project has 8 stars and 12 forks on github and is actively used by many whatsapp users

Memory Card Game | *ReactJS, Flexbox, Vercel*

[Source Code](#)

- Built an interactive memory game using ReactJS
- The project uses RicknMorty API to fetch random images

Technical Skills

Languages: C, C++, JavaScript, Node.js, Golang, Python

Web Technologies: Express, React, MongoDB, Chakra UI, Bootstrap, Puppeteer, Playwright, AWS, Azure

Tools: Linux, Bash, Neovim, Git, L^AT_EX

Achievements and Responsibilities

1. Qualified GATE 2022
2. Volunteered at GLUG-NITH Society
3. Taught OpenCV using python to M.Tech 1st year students as TA