Dev Goel

Bangalore, India

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Education

Indian Institute of Technology Jodhpur   **Rajasthan, India**
Bachelor of Technology in Computer Science and Engineering **(CGPA: 8.18/10)**   *May 2024*

Professional Experience

BlinqIO ⬈   **Bangalore, India**
Full Stack Developer   *June 2024 – Present*

- Bundled Node.Js and NPM directly into the Electron app, streamlining the onboarding process and improving setup success for **80% of users**.
- Added support for **custom waits** (both hard ⬈ and conditional ⬈) in the Electron app, enabling more precise and reliable test assertions during automation. Implemented **reusable components** to the company-wide UI system.
- Implemented **end-to-end element property extraction modal** ⬈ | ⬈ in the recorder app, helping users automate tests with detailed assertions, **improving test coverage** and reliability for a majority of use cases.
- Refactored end-to-end **Reports** ⬈ and **Test data** ⬈ pages of the web application.
- Reduced **Electron app bundle size** by removing unused dependencies, significantly reducing memory footprint.
- Enhanced the **git-workspace-service** to support user-defined packages, enabling flexible test automation.
- Engineered the **development of an cross-platform automation test framework** using **Cucumber.js, Playwright, and Google Vision** to streamline testing processes. Integrated the framework with Git-based CI workflows to enable automated testing pipelines, resulting in a **35%** reduction in manual test cycle duration.
- **Technologies used: ● TypeScript ● Gherkin ● JavaScript ● Cucumber.js**

SMS DataTech Corporation   **Tokyo, Japan**
Software Engineering Intern | On-Site | Mentor: Mr. Yoichi Okura   *May 2023 – July 2023*
Self-Healing Function

- Implemented **automated error detection** and resolution logic, significantly **reducing time spent on manual debugging**.
- Resolved **data inconsistency errors** using both **text** and **tree-based** approaches.
- **Technologies used: ● Python ● Scrapy ● BeautifulSoup.**

Project Automation at One Go (POGO)

- Developed **core UI components** including the dashboard, server list, and project pages, and implemented authentication logic to ensure secure access for registered users.
- **Technologies used: ● Next JS ● Django ● MySQL ● AWS**

Projects

AI Resume Analyzer   ○ GitHub ⬈ | Deployed ⬈

- Developed a web app that analyzes resumes using AI and provides custom feedback and ATS-matching scores.
- Integrated Puter.js for serverless authentication, storage, and AI capabilities
- Managed client-side routing with React Router v7 and app-wide state using Zustand
- **Technologies: ● React ● TypeScript ● Puter.js ● Tailwind CSS ● React Router ● Zustand ● Vite**.

Quiz Assessment Portal   ○ GitHub ⬈

- Created a portal with **self and peer-evaluation** features, utilizing randomized student mapping to ensure unbiased assessments. Received **Campus Innovation Prize** at IIT Jodhpur.
- **Technologies: ● React ● Django ● REST API ● PostgreSQL**.

Achievements

- Selected for **Mitacs Globalink Research Internship** at Queen's University, CA.
- **Teaching Assistant** for Introduction to Programming (CSL1010), class of **250 students** at IIT Jodhpur.

Skills & Tools

- **Programming Languages:** C++/C, Python, HTML5, CSS3, Js, TypeScript
- **Frontend Development:** Bootstrap, React, Redux, D3.js, Chakra UI
- **Miscellaneous:** Figma, Git, Linux, Playwright, Postman
- **Databases:** MongoDB, PostgreSQL
- **Backend Development:** Node.js, Django
- **DevOps:** Docker, Github Actions, CI/CD
- **Cloud Services:** AWS Amplify, AWS EC2, AWS S3
- **Javascript Libraries:** Electron.js, Playwright