

# MOHIT RAJ

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## SUMMARY

**Experienced Backend Software Developer** with **2+ years experience** and a track record of optimising system performance and building scalable, robust solutions. Proficient in **Typescript, JavaScript, Python, Go, and SQL**, with expertise in containerised environments and cloud platforms (**AWS, Azure**). Improved processing time for legacy financial analysis systems **by 50x**. Passionate about developing **innovative, high-quality software** that addresses real-world challenges, as seen in **personal projects like Omnivore EPUB**. Seeking opportunities to apply my Backend Development skills and continue growing as a software engineer.

## EXPERIENCE

**SDE (Associate 3) | PwC AC Bangalore**

*Jul 2024 - Present*

*Specialising in Back-End Development and migrating Financial Analysis code*

- Leading development of a bot focussed on optimal decision-making through enhanced speed and reliability

**SDE (Associate 2) | PwC AC Bangalore**

*Jul 2023 - Jun 2024*

*Migrated legacy Financial Analysis code and built a Full-Stack Observability platform*

- Migrated legacy Financial Analysis pipelines to **Python**, achieving a **50x reduction in compute time**
- Optimised **REST API** calls through in-depth analysis, resulting in over **10x decrease in processing time**
- Delivered a **containerised** Observability Platform, attracting attention from top financial organisations

**SDE (Associate 1) | PwC AC Bangalore**

*Sep 2022 - Jun 2023*

*Built a Full-Stack Observability platform, specialising in Back-End Development*

- Designed and implemented a robust **PostgreSQL** database schema, ensuring seamless interoperability
- Developed a **Python Backend** integrating various enterprise sources, providing comprehensive insights
- Collaborated with cross-functional teams, delivering a robust product received positively with partners

## SKILLS

**Expertise:** Back-End Development

**Languages:** Typescript | JavaScript | Python | Go | SQL

**Software:** Node.js | Docker | Git | PostgreSQL

**Platforms:** AWS | Azure | GitHub

## PROJECTS

**Omnivore EPUB** | [github.com/agrmohit/omnivore-epub](https://github.com/agrmohit/omnivore-epub)

*Application to create e-book from articles saved in user's Omnivore library (a read-it-later app like Pocket)*

- Utilised **Deno** and **Typescript** to build a highly configurable application that can send e-book to Kindle
- Leveraged the API to efficiently retrieve data, ensuring a **fast and responsive user experience**
- Addressed a longstanding feature request for the Omnivore platform, gaining **90+ GitHub stars**

**UserScripts** | [github.com/agrmohit/userscripts](https://github.com/agrmohit/userscripts)

*Collection of scripts written in JavaScript to enhance web page functionality like adding keyboard shortcuts*

- Implemented intelligent content detection to automatically remove or re-purpose distracting elements
- Facilitated seamless toggling between raw and formatted content on like **GitHub, Imgur and jsDelivr**

**Microsoft Rewards Bot**

*Bot written in Typescript using Playwright to automate searches (for educational purpose)*

- Developed logic to save authentication parameters on first login, enabling automatic session resumption
- Added automated element parsing to intelligently handle changes, errors and implemented rate-limiting

## EDUCATION

**Silicon Institute of Technology, Bhubaneswar** | GPA: 8.28 of 10

*May 2022*

**B.Tech.** | Computer Science and Engineering (CSE)

*Bhubaneswar, Odisha*