Mohit Raj

Email: hello@agrmohit.com | github.com/agrmohit | linkedin.com/in/agrmohit

Website: agrmohit.com | Bengaluru, India | Phone: +91 77830 11310

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*
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*
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*