ASHUTOSH ASWAL

yellowhatpro3119@gmail.com ◇ linkedin.com/ashutoshaswal ◇ yellowhatpro.tech ◇ GitHub ◇ +91-8755495974

EDUCATION

Punjab Engineering College, India 2020 - 2024
Bachelor of Technology, Computer Science & Engineering *CGPA : 7.15*

EXPERIENCE

Software Development Engineer July 2025 - Present
Amazon-Device OS *Bengaluru, India*

- As a part of Vega OS team, I deliver OS-level and platform support to ensure seamless compatibility and performance of React Native applications across Amazon's custom hardware and software stacks.
- Technologies used: C++, JavaScript

Full Stack Developer April 2025 - June 2025
Task Savvy *Bengaluru, India*

- Building the B2B sales platform for prospecting and outreach.
- Spearhead end-to-end full-stack development—designing scalable back-end infrastructure, integrating LLM-powered tools, and building browser-automation pipelines—to enable intelligent prospect research and large-scale data scraping.
- Technologies used: Django, Python, Next.js, TypeScript, AWS, Playwright, PostgreSQL

Founding Software Engineer June 2024 - March 2025
Wuri AI (YC W24) *Bengaluru, India*

- Architected product's backend, AI pipelines and video rendering techniques, handling **3000+** daily video generation requests.
- Architectured **RabbitMQ** to offload CPU-intensive **FFMPEG** tasks on a different consumer.
- Collaborated on the front-end side, integrating blogs, Discord auth, Remotion player, and other functionalities.
- Technologies used: FastAPI, Python, AWS, Firebase, Next.js, RabbitMQ, FFMPEG

Software Development Engineer - Intern May 2024 - October 2024
Limurse *Remote*

- Owned the full-stack web app development, facilitating users to explore and complete quests and helping seamlessly onboard **20+** business partners in the Bengaluru region.
- Architected and implemented scalable back-end services using **FastAPI** and **PostgreSQL**, with containerized deployment on **GCP Cloud Run**.
- Technologies used: TypeScript, Next.js, Firebase, PostgreSQL, GCP, Docker, Terraform, Redis

Android Engineer Intern November 2022 - January 2023
Atom EI *Remote*

- Enhanced a highly-rated wellness application (**4.9 stars, 1M+ users**) focusing on goal achievement through gamification and mindfulness.
- Developed and deployed **data migration scripts using Cloud Functions**, redesigned the **Homescreen Widget**, integrated video playback functionality, and revamped UI for multiple screens.

OPEN SOURCE PROJECTS

Google Summer of Code May 2024 - October 2024
MetaBrainz Foundation *Remote*

- Developed a robust **Rust**-based background service, Melba, which automated data extraction from MusicBrainz **Postgres** database and archives the data through WayBack Machine API, and handles traffic of avg. **30,000 daily requests**.
- Added **Prometheus** for metrics collection and **Grafana** to display metrics on a dashboard.
- Technologies used: Rust, SQLx, Tokio, PostgreSQL, Grafana, Prometheus, Docker, Sentry

Google Summer of Code May 2022 - September 2022
MetaBrainz Foundation *Remote*

- Led the development of Brainzplayer, a crucial local media player for the MusicBrainz Android application.
- Engineered a modern UI using **Jetpack Compose**, implemented data persistence with **RoomDB**, and integrated **Content Resolver** for media access, **Exoplayer** for playback, and **Broadcast Receiver** for notifications.

SKILLS

Most used: Python, JavaScript, TypeScript, C++, Kotlin, React, Next.js, FastAPI, Linux, Docker, AWS, RabbitMQ, Postgres, MongoDB, Firebase
Knows: Rust, Java, Bash, Lua, Bitcoin protocol