

JAYANT MANCHANDA

FULL STACK DEVELOPER

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SUMMARY

I'm a product-focused full-stack software engineer with 4.5 years of experience, currently pursuing a Master's in AI/ML with an audio focus at Queen Mary University of London. With a prior background in music and media (2011–2019), I transitioned into tech in 2020, working across frontend, backend, DevOps, and product development. I also bring hands-on experience in designing neural network architectures and building end-to-end model training pipelines, combining creative insight with engineering.

EXPERIENCE

Freelance Product Engineer

Freelancer

📅 09/2023 - 09/2024

- **Designed and deployed a dynamic ad insertion (DAI) system** for the Hubhopper platform, enabling seamless monetization workflows and enhancing creator revenue tools on the dashboard.
- **Built and optimized a scalable audio processing pipeline** using AWS Lambda, significantly reducing latency and ensuring reliable, high-quality audio output for platform-wide use.
- **Implemented end-to-end CMS and API integrations with HubSpot** for Content-Ninja, a Delhi-based marketing firm, broadening their product offerings and streamlining client operations.
- **Engineered creative software tools for artists and performers**, featured at international media-art showcases backed by the Goethe-Institut and Swiss Arts Council.
- **Developed and launched a full-stack mobile app** for Sweden's Viva Sounds music festival, supporting real-time updates, artist discovery, and user engagement across event days.

Software Engineer

Orah - Modern Student Engagement

📅 10/2022 - 12/2023

- **Contributed to full-stack development of a student learning platform**, delivering features across the frontend and backend to support a seamless learning experience.
- **Accelerated product delivery timelines** by proactively supporting feature rollouts and occasionally stepping in as co-scrum master to drive agile team coordination.
- **Collaborated cross-functionally with the product team** to resolve complex edge cases and refine user flows, ensuring consistency and usability across the platform.
- **Worked closely with the customer success team** to triage, diagnose, and resolve production bugs, directly enhancing user satisfaction and platform stability.
- **Explored and evaluated technology solutions for product analytics**, contributing to data-informed decision-making and future roadmap planning.

Software Developer

Hubhopper

📅 10/2020 - 10/2022

- **Brought media and audio domain expertise** to a cross-functional team, streamlining parts of the product development workflow and improving design decisions related to audio tooling.
- **Built and maintained secure, reliable API services** to power user transactions and subscription flows, supporting scalable monetization features.
- **Led development of frontend and backend components**, including task automation tools that enhanced team productivity and reduced manual overhead.
- **Progressively took on broader responsibilities**, co-developing core features for both a digital audio editing tool and a user analytics system, resulting in improved performance and user insight capabilities.

TECH SKILLS

Typescript/JavaScript React Git/GitHub

Elasticsearch/Redis API

SQL / NoSQL / Graph Node.js Python

Docker D3.js

Cloud DevOps Scrum / Agile

AI / ML Torch / NumPy MIR

TensorFlow scikit-learn librosa

PROJECTS

🔗 **Shazam style audio recognition**
<https://github.com/manchandajayant/Audio-fingerprinting-shazam-style>

🔗 **Hubhopper digital audio workstation**
<https://studio.hubhopper.com/editor/>

EDUCATION

MSc in Artificial Intelligence and Computer Science (Specialization: Sound and Music Computing)

Queen Mary University of London

📅 09/2024 - Present

Certificate in Full Stack development

Codaissuer, Amsterdam

📅 01/2020 - 05/2020

M DES, New Media and Sound for the moving Image

Glasgow School of Art, University of Glasgow

📅 09/2017 - 09/2018

FIND ME ONLINE

🌐 **LinkedIn**
<https://www.linkedin.com/in/jayantmanchanda/>

LANGUAGES

English Native 🇬🇧 🇮🇳 🇦🇪 🇪🇸 🇫🇷