Suraj Sharma

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- **Experienced**: Qualified full-stack software engineer with 10y+ academic & *industry experience*, including office/remote teamwork, mentoring, & leadership.
- **GenAI**: Keen focus with side projects including full-stack Aria Chat AI, RAG Docian AI, Web agent Wacagen AI, etc.

- **Applying**: Pursuing permanent, full-time, fully remote opportunities involving full-stack software development with major modular cross-platform tech stacks (e.g., GenAI transformers/PyTorch/LangChain, React.ts/Next.js, Spring/.NET back-end).

Skills

- **AI/GenAI**: Langchain, FAISS, PyTorch, HF transformers/NLP, FastAPI/Flask, Gradio, Jupyter, prompt engineering, vibe coding, ChatGPT/Gemini/Claude/Perplexity/Copilot/Deepseek/etc, Cursor, etc.
- **Programming**: TypeScript/JavaScript, Python, Kotlin/Java/C#, Dart/golang, SQL/noSQL, C/C++ bash etc.
- **Technologies**: React/Next.js/Node.js, Tailwind, REST APIs, SQLite/PostgresSQL/Firestore, Docker, AWS S3, Kafka events, Spring microservices, SaaS/PaaS/FaaS, Android/Flutter, GHA/-Jenkins CI, Git VCS, etc.
- **Graphics Design**: Icons, logos, SVGs, editing, etc. (e.g., Aria Chat AI)
- **Video Editing**: Splicing, color grading, VFX, etc.
- **Sound Design**: Synthesized instruments, audio, SFX, etc. (e.g., Vinidoz Synth)
- **Music Composition**: Musical compositions, arrangements, mixing, and live coding of musical pieces (e.g., "Era of Aria")

Education

- **BSc (Hons) 1st Computer Science**, University of Brighton, 09/2014 - 06/2019
  Relevant coursework: Web Development, Android Mobile Apps, OOP, Data Structures, Algorithms, DBMS, OS, Computer Networks, AI, Microcontrollers, Home Automation

Work Experience

- **Software Engineer (Global Payments PaaS & BIP SaaS)**, American Express, 07/2021 - 03/2024
  - **Full-stack Development**: Contributed to 3+ major flagship product releases via features encompassing micro front-end modules, FaaS, & back-end microservice architectures (e.g., simplifying critical Accounting events across domains). Leveraged iterative Agile ceremonies continuously improving processes. Greenlit UI accessibility, & delivered registry migrations & analytics across backend/FaaS/frontend (e.g., 10+ micro front-ends).
  - **E2E Delivery**: Engaged feature planning, solutioning, automated BDDs, E2E QA, & production monitoring & resolution.
  - **DevOps**: Owned E2E pipeline blockers resolving capacity issues. Designed POCs enabling refactoring all Accounting BDDs from a complex monolithic codebase to new streamlined codebase
  - **Innovation**: Designed state validation orchestrating Accounting file processing. Challenged imperformant solutions for event retries by presenting POC & implementation for a performant asynchronous retry system, introducing industry standard technologies. Designed a dedicated token generation tool resolving frequent token issues across teams. Delivered Grafana metric dashboards via ElasticSearch integrations enabling performance tracking

- **Flexible Teamwork**: Adapted to feature-based, domain-based, & multi-domain pod-based teams, embraced cross-team collaboration by voluntarily transitioning between 4+ major teams & adapting to different team dynamics to bridge & improve team processes
- **Leadership & Team Building**: Hosted interviews & owned onboarding that reduced capacity issues. Engaged with company events including composing diverse teams to lead front-end development of a full-stack mentoring web app, & captaining end-to-end development of a deployment audit microservice that simplified production issue investigations
- **Enthusiasm**: Designed a POC full-stack social networking app addressing interviews missing business critical skills. The app included auto-generated database/API & featured user/post CRUD, tooltip loaders, & spawned an emoji search library. Designed/maintained technical/business documentation for complex user stories & domain pathways. Designed Development/Delivery Team Pools blueprints to reduce dependencies & simplify feature delivery from Planning to Production

- **Full Stack Developer (Digital Forensics, Web & Desktop)**, MCM Solutions, 10/2019 - 04/2021
- **Software Developer (Geospatial Intelligence, Mobile Apps)**, Metricell, 07/2017 - 07/2018
- **Creative Director (R&D, Graphics, Music)**, GoSuraj.com, July 2016 - Present
  - **Aria Chat AI**: AI chat app and multi-modal GenAI platform
  - **Wacagen AI**: Web search agent
  - **Docian AI**: Document chat AI
  - **Vinidoz Synth**: Virtual synthesizer instrument
  - **Temutone**: Music composition app
  - More available at www.gosuraj.com