

Experienced Full-stack Software Engineer with 9+ years of academic & *professional industry experience*, including office & remote teamwork & leadership. Specialising in Agile E2E CI Software Engineering & Full-stack Development with keen interest in Data Science & Artificial Intelligence.

Enjoys *learning, problem-solving, teamwork*, & resolving challenging problems via elegant solutions.

Pursuing permanent, full-time, fully remote opportunities involving full-stack software development with major modular cross-platform tech stacks (e.g., Spring or .NET Core back-end with React.ts front-end).

Work Experience

- **Software Engineer (Global Payment, FX, & BIP)** | American Express | July 2021 - Present
 - **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)** | MCM Solutions | October 2019 - April 2021
- **Software Developer (Mobile Geospatial Intelligence)** | Metricell | July 2017 - July 2018
- **Staff Engineer (R&D, Graphics, Music)** | GoSuraj | July 2016 - Present
(Additional Work Experience available upon request)

Education

- **BSc (Hons) 1st Computer Science** | University of Brighton | September 2014 - June 2019
 - **Individual Project:** Developed Home Automation Platform Client Extension System that increased interaction variety for the home automation platforms via a REST API, Android Timer App, etc.
 - **Mobile Application Development:** Developed QrContacts Android app that enabled cross-platform sharing of contact details via VCard QR-Codes
 - **Web Development:** Designed a 3-page, responsive, standards compliant website with JavaScript client-side DOM manipulation
 - **Web & Network Management:** Developed a statically generated blog that provided blog post tutorials on Jekyll concepts for statically generated blogs
 - **Databases:** Used SQL, RDBMS, & Microsoft SQL Server to design, implement, & manage database prototypes to generate queries & reports for data identification, manipulation, & display