

## Harsh Suvarna | Software Developer | London

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Experienced Software Engineer with a strong focus on front-end development using **React Native and TypeScript**. Skilled in building and maintaining **cross-platform applications** for both mobile and web environments, committed to enhancing user experience and app reliability. Proven ability to tackle complex technical challenges and drive improvements in feature satisfaction and stability. Adept at working within dynamic teams, focused on **delivering high-quality solutions** and contributing to a mission-driven company that values innovation and **customer-centricity**.

### Education

#### University of Glasgow | Master of Science in Information Technology

September 2023 - August 2024

Result: Merit (Predicted)

Relevant courses: Database Management, Software Engineering, Advance Programming, Computer science.

#### University of Mumbai | Bachelor of Engineering in Instrumentation

July 2017 - June 2021

Result: Distinction (8.80 CGPA /10)

### Skills

**Languages & Frameworks:** Typescript, JavaScript, Python, Flask, Django Java, C, React, Svelte, Vue, PHP, HTML, CSS Nodejs, Express.js, NestJS, Fast API, problem solving, C#, playwright, Spark

**Cloud devops & CI/CD:** AWS (ECS, Lambda, S3, EC2, Cognito), Azure, Terraform, GCP, Docker, Git, GitHub, JIRA

**Database: Relational Database** - Microsoft SQL, MySQL, PostgreSQL **NoSQL** - MongoDB, DynamoDB

### Experience

#### Software Engineer | Mumbai, India

August 2022 – July 2023

Code B Solutions | IT Consulting

- **Engineered scalable, testable, and user-friendly Frontend and Backend applications** using **Java, React, and microservices architecture**. Led the development of solutions from scratch, leveraging Flask, Django, React Native, Vue, Angular, NestJs, MongoDB, AWS, and MySQL, while maintaining strong client relationships with effective communication and problem-solving skills.
- **Pioneered the integration of AI technologies** within the organization by leveraging **OpenAI APIs**, leading to enhanced customer experiences and positioning the organization as a leader in innovative, AI-driven solutions, ensuring secure coding practices and adherence to **Site Reliability Engineering (SRE) principles**
- **Optimized application performance** by implementing an event-driven publisher-subscriber system, which enabled real-time user collaboration, resulting in a **40% increase in the capacity for concurrent users** during collaborative sessions, ensuring the solution's scalability and reliability.
- **Collaborated with cross-functional teams** to define software requirements, devise strategic solutions, and ensure alignment with business objectives, fostering a culture of **code quality, security, and continuous improvement**.

#### Backend Developer | Mumbai, India

February 2022 – July 2022

D'Vastra Fashion | Fashion Tech Startup

- Led the backend development and deployment of D'Vastra Mobile application, in an agile environment, using **Fast API, Docker, Google Cloud platform** and **MySQL**, resulting into 75% decrease in API response time.
- **Ideated and implemented** the bulk product upload feature, enabling sellers to seamlessly upload data through spreadsheets, leading to a **30% increase** in the client's **App experience** measured via client survey.
- Set up **Continuous Integration/Continuous Deployment (CI/CD) pipeline**, for development as well as production environments, ensuring seamless transition, resulting in faster release cycles.

#### Analyst, Risk Advisory Services | Mumbai, India

July 2021 – January 2022

Ernst & Young LLP | Consulting and Audit

- Orchestrated and executed comprehensive **nationwide concurrent audits** of financial institutions, auditing transactions worth **GBP 43 billion** and enhancing compliance accuracy >25%.
- **Planned** and practised **monthly reporting**, and branch visits. Analysed both qualitative and quantitative data in governance, risk & compliance, process reviews, standard operating procedures, enterprise risk management.
- **Automated audit process** using EY Digicube and **SQL** bringing the audit time down >50%.
- **Optimized SQL queries** by crafting complex logic, **reducing transaction data retrieval time** significantly.

### Projects

**Cybersafe Attack Tree Tool:** Cybersafe is tool which helps you to create, manage and visualise threats to your system effectively and facilitates the analysis of the most cost-effective, probable, and frequent threats, enabling you to prioritize feature development for maximum security. [Link to App](#)

**Butik Virtual Stores:** Butik is full-stack web application which uses React, Fast API, MySQL to allow users to discover and browse local stores' products, encouraging brick-and-mortar shopping. [Repository](#)