

Hrishikesh Kulkarni

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TECHNICAL SKILLS

Programming Languages: C++, Python, Java, JavaScript, Shell scripting
Frontend Frameworks: Bootstrap, Reactjs, Next js, SCSS, Tailwind CSS, Material UI, Framer motion
Backend Frameworks: Nodejs, Django, Flask, Fast API, Expressjs, Redux, Firebase
Databases: MySQL, MongoDB, PostgreSQL, SQLite
Cloud Technologies: Kubernetes, Docker, Openshift, Jenkins, Ansible, Grafana, ArgoCD

EXPERIENCE

Barclays, Pune, IN

BA 4 – Automation developer

Jan 2023 – Aug 2024

- Container Collab Bot: Engineered a **Rasa-based NLP chatbot** integrated with **TensorFlow and Flask**, automating responses to 250+ FAQs and supporting 15,000+ users, enhancing support workflows and increasing operational efficiency
- Decommission Portal: Developed a **Decommission Portal** using **React.js, Flask, and MongoDB**, streamlining the decommissioning of 6,000+ projects, minimizing errors by 30%, and speeding up the process
- Telemetry: Created real-time **Telemetry Monitoring** to track critical applications across **OpenShift** clusters using **JavaScript, Flask, and SQLite**, enabling proactive issue resolution and system stability

BA 3 – Full stack developer

May 2021 – Dec 2022

- SRE Application: Designed and deployed an **SRE Application** using **ReactJS, Express.js, and MongoDB**, optimizing workload management for 25+ team members and reducing critical backlog resolution time by 40%
- BCP Inventory: Consolidated OpenShift node data from **100+ clusters** using **Django and Bootstrap**, boosting visibility for Business Continuity Planning (BCP)

BA 2 – Private cloud engineer

Aug 2020 – May 2021

- Led the design and implementation of **ArgoCD-managed OpenShift clusters**, scaling 8 production environments and improving deployment efficiency
- Increased cluster capacity by **45%**, deploying 200+ OpenShift nodes across **UK and US data centers** to support growing workloads and enhance system resilience
- Contributed to **microservices resilience testing** for 90,000+ services, improving system reliability and ensuring high availability (99.9%) across the production environment

PROJECTS

Hobby Hub / *React js, Node js, Express, Redux, Socket IO, Mongo DB, Tailwind CSS, Multer*

- Constructed a **multi-role user system** using **Redux**, enabling role-based access control (Super Admin, Admin, Business User, Regular User, Guest), enhancing security and user experience
- Developed a dynamic **event calendar** for business users to manage 20+ hobby communities, increasing user participation and event engagement by **50%**
- Implemented a modern, responsive UI with **React.js** and **Tailwind CSS**, improving navigation and user retention by **30%**

Husky Tales / *React js, Node js, Material UI, Firebase, Socket IO*

- Built a secure authentication system with **Firebase**, enabling smooth login, signup, and password reset processes, reinforcing platform security
- Integrated **Socket.IO** for real-time messaging, increasing interaction and user engagement
- Introduced a friend-finding feature with online status tracking, fostering better user social interaction by **25%**
- Crafted a responsive UI with **Material UI** and **Framer Motion**, enhancing the user experience design and smooth animations

EDUCATION

MS in Information Systems | Northeastern University

Boston, MA

Full stack web development, Application engineering, Cloud engineering, Data science

Expected May 2026

BE in Information Technology | Pune University

Pune, IN

Fundamentals of programming, DBMS, Operating systems, Computer architecture

Aug. 2016 – May 2020