

# Chandan Kumar R

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## WORK EXPERIENCE

### Tata Consultancy Services Limited

*Senior Full Stack Developer (Onsite)*

Nov. 2024 – present

Helsinki, FI

★ **OP Financial Group** is one of the largest financial companies in Finland. **OP** is migrating its **Core Banking Systems** with **TCS BaNCS**.

- Designed and implemented a highly available (HA) JMS and Kafka cluster to ensure fault tolerance and high throughput.
- Played a key role in orchestrating the migration of applications from on-premises infrastructure to Microsoft Azure.
- Collaborated closely with the Technical Architect to identify and resolve critical performance bottlenecks across applications.
- Led efforts to streamline design, development, and testing cycles, improving delivery efficiency within an Agile framework.
- Built and streamlined CI/CD pipelines to improve application integration and deployment reliability.

### Tata Consultancy Services Limited

*Full Stack Developer (Offshore)*

Aug. 2021 – Nov. 2024

Bengaluru, KA

★ **TCS BaNCS** is a core banking software suite developed by Tata Consultancy Services for use by retail banks. With over **447 customers** BaNCS has an estimated **2.49%** of the global market share for Banking.

- Participated in the conception, design, development, implementation, and deployment of web-based user interface systems.
- Developed and customized **front-end** components of the banking product, tailoring UI to meet client-specific requirements.
- Designed and implemented **microservices architecture**, orchestrating the deployment and development of **REST API** endpoints using Spring Boot and integrating the same into web applications.
- Contributed to the development and implementation of the **Single Sign On (SSO)** authentication mechanism to the existing framework.
- Followed a **Test Driven Development** approach, meticulously crafting unit test cases for all the user stories and employing automated test suites for robust regression testing, ensuring the reliability and stability of the software throughout development cycles.
- Responsible for writing **well-documented, efficient, and maintainable code**.
- Independently designed, developed, and deployed a **multipurpose tool** consolidating disparate manual processes into an intuitive, one-click solution, optimizing workflow efficiency across development, DevOps, and QA teams. Leveraged Java and Spring Boot for robust backend architecture and integrated React.js and Bootstrap for seamless frontend functionality.

- ★ Suraksha Constructions is a business that specializes in Interior Design, Architecture, Building Contracts, and much more.
- Direct involvement in elements of design, development, and maintenance of the website.
  - **Building Websites** and applications by writing code in HTML, JS, CSS, and ReactJS.
  - Assisted the senior developer in all aspects of development.
  - Contributed to the creation of a **remote GIT repository** for version control.

## SKILLS

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**Frontend:** HTML, JavaScript, ReactJs, NextJs, CSS, MUI, Bootstrap, DevTools, Jest

**Backend:** Java, Spring Boot, Hibernate, JUnit, Selenium, Rest APIs, NodeJs, SQL, MongoDB

**Other Tools & Technologies:** Git, Jenkins, Kafka, Active MQ, Bash, Docker, AWS EC2, Networking, Data Structures and Algorithms.

## EDUCATION

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**Vishveshwarya Technological University (VTU)**

*Bachelor of Engineering, Information Science Engineering SGPA 7.98*

Aug 2021

Bengaluru, KA

## PROJECTS

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### ★ Personal Projects:

- **Portfolio:** A site built to present my profile interactively. Built using ReactJs and NextJs and deployed in GitHub pages.
- **Dev Tools:** A prototype version of the multi-functional tool later developed into an improved and custom-tailored version implemented in my workplace. This automates several manual processes to a single click action and saves time.
- **Photobooth:** An application with an interactive UI to share photos and media locally.
- **Home Media Server (WIP):** A customized web application that serves user's DRM-free media content on their local area network.

### ★ College Projects:

- **Skin Cancer Detection:** A machine learning project that predicts if the skin is affected by Melanoma, a form of skin cancer using a model trained and developed using images of thousands of melanoma-affected skin.
- **Auction\_24x7:** Auction site for people to post ads to sell items and buyers to bid on them.
- **Savings and Expense Management:** Household savings and expenditure management systems allow every household to track their savings, and expenses, create a budget, and manage them.

- ★ All of the projects mentioned above are hosted online, please visit [chan101.github.io/portfolio/](https://chan101.github.io/portfolio/) to experience my portfolio site and also view projects hosted on AWS EC2 instance.