

# Durgesh Nandan

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## EDUCATION

### University of Birmingham

*Master of Science in Advanced Computer Science*

Birmingham, UK

*Sept. 2023 – Sept. 2024*

### Visvesvaraya Technological University

*Bachelor of Engineering in Computer Science and Engineering*

Belagavi, IN

*Aug. 2016 – Aug. 2020*

## EXPERIENCE

### Senior Software Developer

June 2023 – Aug. 2023

*Quantiphi*

*Bengaluru, IN*

- Designed and engineered an RDP (Remote Desktop) service catering to Nvidia and ICI team requirements, facilitating remote machine management in geographically isolated client locations.
- Introduced AWS Services (eg. API Gateway, IOT Core, OpenSSH) and the MEAN Stack for the development of this solution.
- Notably, Completed the project ahead of schedule, allowing for a buffer of approximately two months for thorough multi-stage testing and any ad hoc modifications.

### Full Stack Developer (Member of Technical Staff)

Apr. 2022 – May 2023

*AXIO Finance*

*Bengaluru, IN*

- Spearheaded the design and development of the **Tata Pay Later Frontend**, managing traffic due to a **large customer base**
- Implemented significant contributions to the **UI/UX** and feature enhancements for **Amazon Pay Later/AXIO**.
- Led the **rebranding** efforts for the Frontend during the transition from **Capital Float to AXIO**.

### Software Engineer

July 2020 – Apr. 2022

*Synamedia*

*Bengaluru, IN*

- Created, developed, and rigorously tested an **Automatic Notice and Takedown System** aimed at identifying and addressing pirated content across OTT, DTH, and other platforms. This involved sending legal notices in stages of escalation for persistent offenders.
- Developed and tested a comprehensive product from the ground up, utilizing **MERN/MEAN Stack** technologies.
- Developed the backend server and **REST APIs**, leveraging **NodeJS** and **ExpressJS**, while maintaining API documentation through **Swagger**.
- Employed **Docker** for containerizing full-stack applications, ensuring swift builds and cloud deployment.
- Transformed wireframes and prototypes into visually appealing and user-friendly web applications.
- Executed rigorous multi-stage testing encompassing diverse scenarios, utilizing test beds and stubs, and organized test documents within **Confluence**.
- Gathered and comprehended business requirements from clients and colleagues, proceeding to design, develop, and maintain versions and releases.

## PROJECTS

### Orca | *Mongo DB, Express JS, React, NodeJS, AWS, Google Analytics*

- Developed a Analytics Website as a personal project that can identify and address pirated content across OTT, Telegram, and other social media sources.
- Generates trend graphs and other analytical metrics for users to analyse and create report
- Implemented an experimental feature enabling the scheduling of cron jobs to send routine emails. Initially designed the email content in HTML on the server, subsequently parsing and delivering.

### MedApp | *Java, Android, AWS, Firebase, GCP*

- Developed a mobile application enabling victims and nearby citizens to send emergency alarm messages swiftly.
- Implemented real-time location tracking to identify the nearest healthcare providers, including ambulances.
- Enabled notifications to be sent to nearby healthcare workers, requesting assistance during emergencies.
- Included a feature offering first aid tips for immediate support during crisis situations.

## TECHNICAL SKILLS

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**Languages:** Java, Python, C, JavaScript, HTML/CSS, Typescript

**Frameworks:** React, Angular, ExpressJS, Node.js, MEAN/MERN, Flask, Android, Material-UI, REST

**Databases:** MySQL, Oracle 11G, SQLite, MongoDB, DynamoDB, Redshift, PostgreSQL

**Cloud:** Google Cloud Platform, AWS, Firebase

**Developer Tools:** Docker, Kubernetes, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Control System, Documentations and UI Wireframing:** Git, Jenkins, Jira, Confluence, Asana, Zeplin, Figma

**OS:** Windows, Linux(RedHat, CentOS), macOS

## ACHIEVEMENTS

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**Finalist, TechGig Code Gladiators 2021:** Advanced to the final round of the event, earning a spot in the top 100 contenders from a pool of 400,000 participants.

**Winner, Smart India Hackathon 2020:** Secured victory in the Smart India Hackathon 2020 - Software Edition, emerging as the winner among more than 35,000 participating teams in the Government of India organized three-day hackathon.

**3rd/100, Google I/O Extended AppDev Hackathon 2018** Achieved a notable third-place ranking among 100 teams at the 2018 Google I/O Extended AppDev Hackathon.