

COLIN C THOMAS

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EDUCATION

Birla Institute of Technology and Science Pilani (BITS Pilani, Pilani Campus)

2019 – 2023

B.E. in Electronics & Instrumentation

EXPERIENCE

Probus Smart Things Pvt Ltd | Software Developer - Noida

June 2023 – July 2024

Probus is an IoT startup, pioneering in energy monitoring and automation for impactful power loss reduction.

[Company Link](#)

- Developed application using **React Native** integrated with a **Next.js** dashboard, streamlining task assignment, attendance tracking, and inventory management processes, resulting in a **20%** increase in operational efficiency [Play Store](#)
- Implemented efficient state management using **Redux** & push notification using Firebase Cloud Messaging (**FCM**)
- Integrated **SQLite**, for local data storage and retrieval, ensuring the application's offline capabilities and data persistence
- Developed Smart Meter BLE app **SDK**, ensured secure **Bluetooth** communication with meter through 128 bit **AES** encryption
- Responsible for the end-to-end development of applications, demonstrating strong ownership and collaborating with stakeholders, ensuring the delivery of a high-quality and user-friendly application

William O'Neil | Quantitative Analyst Intern - Remote

July 2022 – December 2022

William O'Neil is a leading financial conglomerate with USD 100B+ asset under management.

[Company Link](#)

- Scrutinized the price moments using technical indicators to **develop filters** within existing trading strategies for the US markets
- Furnished insightful analysis and presentations to support decisions & evaluate opportunities based on statistical inferences
- Collaborated with teams to gather and back-test data using **Python** and **SQL** to provide accuracy up to 1 basis point

PROJECTS

Expense Tracker | React.js, Node.js, MongoDB

[Github](#)

- Developed a full-stack Expense splitting application allowing users to create accounts, log in securely, and transfer & split money to friends with different accounts, ensuring a seamless user experience
- Designed and implemented scalable and high-performance RESTful APIs using **Node.js** and **Express.js**, Utilized **MongoDB** and **Mongoose** for data modeling

Blogging App | Typescript, Cloudflare, PostgreSQL, React.js

[Github](#)

- Created a serverless app with **Cloudflare Workers** & integrated **Prisma** with **PostgreSQL** for seamless data management
- Designed and implemented **RESTful APIs** using **Hono** framework for server-side logic for performing CRUD operation
- Designed and developed the frontend using **React.js**, leveraging Tailwind CSS for responsive UI components

SKILLS

Programming Languages	Typescript, Javascript, C++, Python, SQL
Frameworks/Libraries	React-Native, Next.js, Node.js, React.js, Redux
Technologies	Android, Prisma (ORM), Mongoose, Docker, Cloudflare workers
Databases	SQLite, PostgreSQL, MongoDB
Project Management	Git, Swagger, Jira, Postman

LEADERSHIP/VOLUNTEER

Captain - Hockey Team | BITS Pilani

- Served as the **Captain** of the Hockey team for **BPL** and led the team to win a **Bronze Medal**.
- Part of a team of **16** members to win a **Gold Medal** in BOSM the annual sports festival.

Nirmaan-BITS Pilani | NGO-Volunteer

- Mentored over **100** underprivileged students in schools, offering personalized college preparation and career guidance.