

# Hugo Lomba

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## Summary

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Software developer with hands-on experience building full-stack applications with front-end, back-end and database integration. Previous experience in banking management and customer service has developed strong problem-solving, communication and analytical skills.

## Education

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**National College of Ireland** – HDip in Science in Computing – NFQ Level 8 Expected Oct 2026

- Relevant coursework: Object-Oriented Software Engineering, Data Structures, Software Development, Algorithms and Advanced Programming, Web Design and Client-Side Scripting, Computer Architecture, Distributed Systems (Sockets, Grpc, RPC, Rest, JMDNS)

## Skills

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**Languages:** JavaScript, TypeScript, Java, HTML, CSS, SQL

**Frontend:** React, Next.js, Tailwind CSS, Responsive Design

**Backend:** Node.js, Express.js, REST APIs

**Databases:** PostgreSQL

**Tools:** Git

## Projects

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**Housemates – House Management System** [github.com/hugolomba/housemates](https://github.com/hugolomba/housemates)

- Developed a full-stack house-management application using Next.js, TypeScript, and PostgreSQL to centralise bill tracking, task management, and shared-house management in a secure environment
- Implemented secure server-side functions and authenticated workflows to manage bills, tasks, and user activity logs, ensuring record-keeping and data security
- Developed a mobile-responsive frontend and landing page showing the main functionalities of the application and allowing users to sign in via email or OAuth providers (Google/GitHub)

**Blog Platform** [github.com/hugolomba/blog-next](https://github.com/hugolomba/blog-next)

- Developed a blog platform with full CRUD functionality, allowing users to publish, edit, delete, and manage posts while interacting through comments and shared content
- Built a full-stack Next.js and TypeScript application with server-side rendering, implementing a PostgreSQL database and supporting full CRUD operations for posts and comments

**Interactive Solar System Application** [github.com/hugolomba/the-solar-system-2](https://github.com/hugolomba/the-solar-system-2)

- Developed a dynamic React application to visualise astronomical data with a responsive and intuitive user interface.
- Built a Node.js and Express REST API to fetch, process, and serve data for each celestial body.

## Experience

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**Customer Assistant**, Carroll's Irish Gifts – Dublin, Ireland May 2025 – Present

- Assisted 100+ customers daily in a busy retail environment
- Developed strong communication and problem-solving skills through daily customer interaction

**Bank Manager**, Itau Unibanco – Brazil Jun 2017 – Aug 2023

- Analysed daily operational and customer issues, identifying root causes and implementing process improvements to improve efficiency and service quality