

# Ilyas Bikarnaf

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## SKILLS

- **Front-End:** CSS, JavaScript, TypeScript, TailwindCSS, React.js, Next.js, React Hook Form, Zod, Context API, Date-fns
- **Back-End:** Node.js, Express.js, Mongoose, MongoDB, Discord.js
- **Tools:** Git, GitHub, Vercel, Railway, UptimeBot

## SUMMARY

Front-end developer skilled in React, Next.js, and Tailwind CSS, with back-end experience in Node.js, Express.js, and MongoDB. Strong foundation in JavaScript and TypeScript, focused on building responsive, user-friendly web apps. Accelerated growth through mentorship from engineers at Google, Meta, Apple, LinkedIn, and Amazon, gaining exposure to industry best practices and advanced development workflows.

## EXPERIENCE

### Junior Frontend Engineer

Thomas King

December 2023 – April 2025, United Kingdom

- Developed and maintained reusable UI components using React, TypeScript, and Tailwind CSS, streamlining the development process.
- Integrated APIs to enable dynamic data flow between frontend and backend systems, supporting new feature implementations.
- Contributed to improving the responsiveness of the application, enhancing user experience across devices.
- Assisted in debugging and resolving UI-related issues, ensuring timely and quality releases.
- Participated in code reviews, adhering to best practices for maintainability and performance.

### Full Stack Engineering Intern

Moxion Power

January 2023 – June 2023

- Assisted in the development of mobile energy storage solutions, contributing to the creation of user interfaces for monitoring and managing battery systems.
- Collaborated with the backend team to integrate APIs, ensuring seamless data flow between frontend interfaces and battery management systems.
- Participated in debugging and resolving issues related to frontend and backend interactions, enhancing system reliability.
- Gained hands-on experience with Agile methodologies, contributing to sprint planning and timely feature deliveries.

## PROJECT

### FocusFlow (Next.js, MongoDB, TypeScript)

[focus-flow-sable.vercel.app](https://focus-flow-sable.vercel.app)

- Built a full-stack CRUD app to manage user data, integrating MongoDB with Mongoose for efficient database operations.
- Implemented secure user authentication using Clerk, form validation with React Hook Form and Zod and user-friendly data display with date-fns.
- Deployed on Vercel with analytics via Vercel Analytics, achieving 95% uptime and supporting 50+ concurrent users in testing.

### WorldRanks (Next.js, React)

[world-ranks-nine-orcin.vercel.app](https://world-ranks-nine-orcin.vercel.app)

- Developed an app to fetch and display data from a third-party API, using React for a responsive UI, Context API to avoid multiple refetches (increasing app speed by 30%), and date-fns for user-friendly data presentation.
- Added comprehensive error handling to manage failed requests, improving user experience by 20%.
- Optimized performance with Next.js caching, reducing load times by 25%.

### ClariCash – Financial Tracker (Next.js, MongoDB, TypeScript)

[clari-cash-fpj7vercel.app/](https://clari-cash-fpj7vercel.app/)

- Built a full-stack personal finance tracker with custom email/password authentication and protected routes.
- Designed secure Server Actions with Zod and RHF, processing 1,000+ transactions during testing.
- Engineered MongoDB schemas to isolate user data and enable efficient querying.
- Integrated Chart.js for dynamic visual breakdowns of income and expenses, boosting usability by 60%.

## EDUCATION

### Bachelor of Science in Computer Science

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