# Ahmed Hashem

*Staff Frontend Engineer*

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## Summary

- Staff Frontend Engineer with 6+ years of experience designing scalable React, Next.js, and React Native applications. Experienced in frontend architecture, Design Systems, Monorepo architectures, and performance optimization for enterprise products. Passionate about building scalable platforms, improving developer experience, and driving engineering standards across teams.

## Education

**October 6 University** 2017 – 2021
*Bachelor's Degree Computer Science* *Cairo, Egypt*

## Experience

**Tree Digital Insurance** Jan 2026 – Present
*Staff Frontend Engineer* *Cairo, Egypt*

- Led frontend architecture across multiple products, driving scalability, maintainability, and engineering consistency.
- Built a shared Design System and reusable component library adopted across multiple products.
- Architected a Monorepo enabling shared packages, standardized workflows, and faster development.
- Defined engineering standards for architecture, testing, documentation, and code quality.

**Octopus By RTG (Robusta Group)** April 2025 – Present
*Senior Frontend Engineer* *Cairo, Egypt*

- Led frontend architecture for enterprise insurance products.
- Improved application performance by 65–80%.
- Contributed to Monorepo architecture and shared frontend libraries.

**FlairsTech** Aug 2024 – Jul 2025
*Senior Frontend Engineer* *Cairo, Egypt*

- Developed and maintained enterprise React applications.
- Led migration from desktop application to modern React web platform.
- Optimized some features to be faster by 70% in processing.
- Designed reusable React architecture and modern frontend tooling.

**MAL.tech** Oct 2023 – Aug 2024
*Senior Software Engineer* *Riyadh, Saudi Arabia*

- Led financial services project.
- Integrated secure payment gateways into financial applications.
- Developed cross-platform React Native applications and backend APIs.
- Optimized some features to be faster by 80% in processing.

**Bld.ai** Mar 2023 – Nov 2023
*Senior Software Engineer* *Boca Raton, Florida*

- Led AI/LLM project improving response time by 70%.
- Debugged technical issues and increased website performance by 25%, reduced total load time by 50%, and optimized database queries to store 30% more data.
- Designed scalable microservice architecture.

**AlGawhar** Jan 2018 – Jan 2021
*Software Engineer* *Cairo, Egypt*

- Debugged technical issues and increased website performance by 25%, reduced total load time by 50%, and optimized database queries to store 30% more data.
- Improved application performance by 50% through frontend and backend optimizations.
- Designed and implemented client-server architecture efficiently using micro services and message queues for applications with high scalability and performance requirements.
- Utilized Agile methodology with Scrum framework to build high-performing software in a complex environment.

## Skills

**Frontend** React.js, Next.js, React Native, TypeScript, JavaScript, Tailwind CSS, Electron
**Backend** Node.js, NestJS, Express.js, Koa.js, Django, Laravel, Ruby on Rails
**Architecture** Design Systems, Monorepo, Microservices, REST APIs, GraphQL, Design Patterns
**Databases** PostgreSQL, MySQL, MongoDB, Elasticsearch, Solr
**DevOps** Docker, Git, CI/CD
**Messaging** Kafka, RabbitMQ

## Projects

**Tree | Digital Insurance Platform** React.js, Next.js, TypeScript, Monorepo

**AIMY | AI Assistant (LLM)** React.js, TypeScript, Vite, LLM

**Usual Chat | AI Chat Platform** React.js, Django, PostgreSQL, LangChain

**MAL | Financial Super App** React Native, TypeScript, Koa.js, PostgreSQL

**WebXR | AR/VR Experience** React.js, Three.js, WebXR

**Search Engine | Political Analytics** TypeScript, Solr, React.js

**Tsukiverse | Web3 Gaming Platform** React.js, Solidity, Web3, MySQL

## Awards

**ECPC Contestant |** August 2017 - August 2019
**Google DSC Technical Lead |** September 2021 - June 2022

## Languages

**Arabic, English**