

Patrick Nzediegwu

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Versatile software engineer with over 7 years of experience in designing and implementing high-traffic, scalable web applications. Successfully delivered impactful projects at Dapper Labs, SkipTheDishes

Technologies I have worked with

Languages: Go, JavaScript, TypeScript, Python, SQL, HTML, CSS

Frontend: React, React Query/Router, Redux, Next.js, GraphQL, Apollo, XState, Playwright, Jest, RTL

Backend: Nodejs, Express, Gin, Django, Spring Boot, Redis, PostgreSQL, MongoDB, MySQL

DevOps: Github actions, Docker, Kubernetes, Terraform, Prometheus, AWS [IAM, S3, RDS, EC2, EKS, ELB]

Work Experience

Senior Full Stack Developer, [Typescript, React, React Query/Router, Zustand, Java, Spring]

Atimi Software [Digital Agency - contractor]

Oct 2023 - July 2024

- Developed POCs, setup project micro-frontends architecture and authored auth flows for frontend app
- Leveraged MUI to create UI components library, hooks, and state stores for a dashboard application.
- Integrated third-party services and APIs into the BFF layer, improving data exchange and extending application functionalities
- Conducted interview sessions and developed coding standards and training programs for new hires.

Senior Software Engineer, [Go, Nodejs, Typescript, React, Nextjs, XState, GraphQL]

Dapper Labs [Blockchain company]

Aug 2022 - Jul 2023

- Developed GraphQL CRUD services for web3 gaming and digital collectibles on nbatopshot.com
- Used XState to manage blockchain transactions including verifying wallet and burning/assigning tokens
- Streamlined the build and CI/CD pipeline by caching artifacts, reducing build time by 40%.
- Built site navigation, leader-boards, and high-traffic features using Next.js, React, and GraphQL.
- Implemented ML-driven on-boarding flow, increasing user conversions by 12%.

Senior Frontend Developer, [Typescript, React, React Router, RTK Query, fp-ts, io-ts]

SkipTheDishes [Food Delivery Platform]

Sep 2021 - Jul 2022

- Shipped a redesigned restaurant portal on the SkipTheDishes platform, serving over 20m users.
- Migrated monolith to micro-frontends, boosting developer productivity by 40% and deployments by 15%.
- Updated testing suite to React Testing Library from Enzyme and utilized **fp-ts** for functional programming.
- Influenced and empowered team members by conducting process experiments, running agile development meetings, engaging in guild channels and mentored junior engineers.

Software Engineer, [Typescript, React, Redux, Konvajs, Nodejs]

Playgon Games [Mobile Games]

Oct 2019 - Aug 2021

- Developed UI, animations, and video streaming functionalities for mobile/HTML5 casino games application.
- Implemented UI gameplay features, baccarat roads, roulette wheel spin, chip selection, account balance.
- Utilized CSS sprite images to improve render performance of roulette game wheel.
- Developed real-time video streaming using WebRTC to enhance video quality and bandwidth efficiency.
- Created a reusable UI breakpoints game theme system, reducing new game creation time by 80 hours.

Software Engineer, Ethnos [Nodejs, Express, React, Nextjs, Typescript]

Jan 2019 - Jul 2019

Software Engineer, Metzger [JavaScript, PostgreSQL]

Feb 2016 - Dec 2018

Projects

- **ZenBank** - Go API simulating ACID account transactions between users, deployed to AWS EKS cluster.
- **RSS Aggregator** - Go Aggregation API to pull scraped RSS news feeds daily to a PostgreSQL database
- **Ecommerce Platform** - E-commerce shop built using Node, Nextjs, Prisma and GraphQL

Education

Nottingham Trent University, UK

- **MSc. Internet and Security**, 2015

- **BSc. Computer Science**, 2014