

ANAS ROUD

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FRONTEND ENGINEER

Front-End Engineer with almost 4 years of experience building scalable, high-traffic web applications in the media and related domains. Specialized in JavaScript, React and Next.js, with contributions to backend Node.js microservices as needed. At Optimum Partners, architected key features for Forbes such as “Billionaires” and “30 Under 30”, developing reusable components and optimizing server-side rendering to improve load times by 35%. Focused on clean, maintainable code, smooth user interfaces, and performance optimization. Proficient in Agile workflows, covering design, development, testing, and deployment. Core tech stack includes TypeScript, Tailwind CSS, Node.js, and AWS. Naturally curious, empathetic, and always ready to support teammates and foster a positive, inclusive atmosphere.

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- Component-Based Architecture • Responsive & Adaptive Design • Performance Optimization • API Design & Integration
 - Accessibility Compliance (WCAG) • State Management Patterns • Server-Side Rendering & Static Generation
 - Unit Testing and Code Quality • Continuous Integration and Delivery (CI/CD)

Languages: JavaScript, TypeScript

Web: React, Next.js, Angular, Gatsby, Express.js

Web Services: HTML5, CSS3, Tailwind CSS, Node.js, REST APIs, GraphQL, WebSockets

Web/App Servers: Nginx, Apache, AWS (Lambda, S3, CloudFront)

Frameworks: Angular, Gatsby, ExpressJs, Spring Boot

Databases: MySQL, Neo4j, DynamoDB, MongoDB

Design Patterns: Singleton, MVC

SDLC: Agile, Scrum, Kanban

Tools: Git, GitHub, Bitbucket, AWS CodePipeline, Docker, VS Code, IntelliJ IDEA, MySQL Workbench, Figma

Platforms: Windows, Linux (Ubuntu, Fedora), macOS, Amazon Web Service (AWS)

Application/Software: DataDog, New Relic, Ketch, Google Analytics, Google Tag Manager, Google Ads Manager

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

OPTIMUM PARTNERS, Amman, Jordan • 07/2022 – 08/2024

Optimum Partners specializes in providing innovative software solutions, focusing on high-profile projects for clients such as Forbes, Hearst, and Bloomberg.

Senior Software Engineer

Lead and develop front-end solutions for Forbes, focusing on performance, user experience, and efficient project delivery.

- Architected and developed modular React and Next.js components in Forbes' component library for flagship features like “30 Under 30” and “Billionaires” pages using TypeScript and SCSS, reducing new feature development time by 40% and enabling rapid UI scaling.
- Led the Forbes privacy and compliance workflows Migration from TrustArc to Ketch, which resulted in a 50% latency reduction and improved scalability for user consent management.
- Optimized client-side performance through code-splitting, dynamic imports, and DataDog instrumentation, boosting bundle efficiency and enhancing application responsiveness under heavy traffic.
- Implemented server-side rendered (SSR) React pages with Next.js and Node.js APIs deployed on GCP, decreasing initial page load times for Forbes flagships by 35% and improving SEO performance.
- Integrated the ads and tracking infrastructure for Forbes' lists migration from CSR to SSR, resulting in a smoother user experience and enabling real-time performance monitoring and data-driven product decisions.
- Trusted with high-profile clients like McCrystal, to build their DBMS template module, successfully delivered 2 weeks ahead of schedule.
- Integrated privacy-compliance tooling into the McCrystal CMS with JavaScript, automating GDPR workflows and cutting manual compliance checks.

Technologies Used: React, Next.js, TypeScript, GatsbyJs, ExpressJs, Tailwind CSS, Node.js, AWS Lambda, API Gateway, GraphQL, Redux, DataDog, New Relic, Google Tag Manager.

QISTAS FOR INFORMATION TECHNOLOGY, Amman, Jordan • 03/2021 – 07/2022

Qistas For Information Technology provides tailored software solutions, focusing on the financial and legal sectors.

Software Engineer

Developed and maintained software solutions for the financial and legal sectors, with a focus on enhancing system performance, improving user interfaces, and ensuring robust data management.

- Led the migration of the Qbank financial platform frontend from legacy PHP templates to Laravel and Vue.js, significantly improving code maintainability and reducing average page load times by 30%.
- Developed a content management module using Laravel and MySQL for the DBMS system, enabling legal clients to efficiently manage documents and cutting update times by 50%.
- Optimized backend data-processing routines in PHP and C++, leveraging MySQL and Elasticsearch to reduce complex report generation time from minutes to under 10 seconds.
- Enhanced application scalability by refactoring core backend services and implementing Redis caching strategies, resulting in a substantial decrease in database load during peak usage.
- Automated CI/CD pipelines using Git, Bitbucket Pipelines, and Docker, enabling zero-downtime deployments and reducing release-related errors by over 90%.

Technologies Used: PHP, Laravel, MySQL, Elasticsearch, C++, Redis, Docker, Git, Bitbucket.

ACADEMIC PROJECTS

Maharishi International University (2025)

- **PUPAI – AI-Powered Public Speaking Coach**: Designed and developed an AI-based coaching tool that provides instant feedback on public speaking through a one-minute voice recording. Built with Angular 20 and the MediaRecorder API for in-browser voice capture, and integrated OpenAI's Whisper for real-time transcription. Leveraged GPT-4o mini to analyze transcriptions and generate personalized insights on filler words, pace, and clarity. Implemented a streamlined backend using Express and MongoDB Atlas, with secure audio storage via AWS S3. Employed RAG (Retrieval-Augmented Generation) to enrich feedback using curated speaking tips. Achieved fast end-to-end feedback delivery (~6 seconds), optimized for low-latency interaction and mobile accessibility.
Tech Stack: Angular, Express, OpenAI Whisper, GPT-4o, RAG, MongoDB Atlas, AWS S3, MediaRecorder API.
- **Serverless E-Commerce Platform**: Built a fully serverless online store supporting a product catalog, faceted search, shopping cart, order processing, and automated email notifications. Co-designed and developed AWS Lambda functions in Node.js to handle product retrieval, cart operations, and checkout workflows. Modeled and provisioned DynamoDB tables to store product, cart, and order data, enabling millisecond-scale access and seamless scalability. Integrated Amazon SNS to trigger confirmation emails upon successful purchases. On the frontend, built a dynamic React application that consumed the backend APIs, managed client-side state efficiently, and used dynamic imports to optimize performance. Utilized React, AWS Lambda, API Gateway, DynamoDB, SNS, S3, Node, SES.

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 06/2027)

Maharishi International University, Fairfield, Iowa

Key Courses: Algorithms, Cloud Computing, Web Application Architecture, Modern Web Application

Bachelor of Science in Computer Engineering

AlBalqa Applied University, As-Salt, Jordan (02/2021)