

MOHAMED ZAID

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SUMMARY

Results-driven Full-Stack Developer with proven experience in designing and building scalable, high-performance web applications. Proficient in React.js, Next.js, Node.js, Express.js, and modern database systems including MongoDB and MySQL. Skilled in developing clean, maintainable code with a strong focus on software architecture, API design, and performance optimization. Adept at creating intuitive frontend interfaces using TypeScript and Tailwind CSS, and integrating robust backends through RESTful APIs and containerized environments. Experienced in state management (Redux) and CI/CD deployment pipelines. A fast learner and collaborative problem-solver, passionate about leveraging technology to deliver innovative, efficient, and user-focused solutions.

TECHNICAL SKILLS & CORE COMPETENCIES

Frontend Development

- React.js • Next.js • Redux • JavaScript (ES6+) • TypeScript • HTML5 • CSS3 • Tailwind CSS • Responsive Design • Pug

Backend Development

- Node.js • Express.js • Django • RESTful APIs • API Testing • Authentication & Authorization • MVC Architecture

Database Management

- MongoDB • Mongoose • MySQL • Redis • Database Design & Optimization

DevOps & Tools

- Docker • Containerization • Git • GitHub • Version Control • CI/CD Integration • Shopify API Integration

Programming & problem Solving

- Python • Data Structures & Algorithms • Object-Oriented Programming (OOP) • Analytical Thinking • Problem Solving

Soft Skills

- Teamwork & Collaboration • Communication • Adaptability • Continuous Learning • Time Management

EDUCATION

Bachelor of Computer Engineering - Bandırma Onyedi Eylül University

Jul 2025

- SQL Mastery Course
- Ultimate React Series
- Ultimate Next.JS Series
- The Complete Node.js Course

PROFESSIONAL EXPERIENCE & PROJECTS

Rooteplus - Istanbul,turkey

Aug 2024 - Sep 2024

- **Worked as a Full Stack Developer :**
- Attended professional development workshops to continuously update knowledge on industry trends, technologies, and best practices.
- Collaborated with senior engineers on complex projects.
- Traveled to job sites with senior personnel to aid in inspections and ongoing project observations.
- Updated project documentation and distributed to appropriate project personnel.
- Ensured high-quality code delivery through rigorous testing and debugging processes.
- Developed user-friendly applications by incorporating intuitive user interfaces and efficient algorithms.
- Developed responsive web applications using modern front-end frameworks for improved user experience across multiple devices.

Rooteplus - Istanbul,turkey

Jul 2024 - Aug 2024

- **Worked as Trainee Software Engineer:**
- Improved overall system performance by optimizing code and troubleshooting issues during the development process. Participated
- actively in code review sessions, offering constructive feedback to peers to ensure optimal performance of software applications.
- Designed and developed forward-thinking systems that meet user needs and improve productivity.
- Designed and implemented scalable applications for data extraction and analysis.
- Handled scripting tasks for debugging and automation.
- Analyzed source code to identify functionality issues.
- Worked with design teams and Senior Software Engineers to build customized software products for consumers.

Natours (Backend) - Side Project

- **Short Description:** A production-ready REST API backend for the “Natours” travel/tours web application, handling tours, users, reviews, and optional AI-powered services for enhanced functionality.
- **Main Features:**
 - RESTful endpoints for tours, users, reviews with filtering, pagination and aggregation.
 - JWT authentication and role-based access control (admin vs. users).
 - File/image upload support, security features (rate limiting, input sanitization, CORS).
 - AI features: semantic search, personalized recommendations, itinerary generation.
- **Tech Stack:** Node.js • Express.js • MongoDB (Mongoose) • JavaScript (ES6+) • Pug Templates • Docker (containerization) • REST APIs • FastAPI • Python • AI locally integrated

Natours (Frontend) - Side Project

- **Short Description:** Web frontend interface for an AI-powered code generation tool, allowing users to input prompts and obtain dynamically generated code snippets, showcasing modern UI design and frontend integration readiness.
- **Main Features:**
 - User login/signup forms integrated with the backend API.
 - Dynamic pages for tours, reviews, and booking summaries.
 - Responsive, animated UI using modern CSS and Pug templates.
 - AI Assistant bot integrated with the backend API.
- **Tech Stack:** NextJS • React • JavaScript • HTML5 • Tailwind CSS • REST API Integration

Code-Generator-AI Frontend - Side Project

- **Short Description:** Frontend interface for the “Natours” tours platform, focused on dynamic rendering of travel packages, authentication pages, and booking forms connected to the Natours Backend API.
- **Main Features:**
 - Prompt input form and dynamic rendering of code snippets from backend or AI service.
 - Syntax highlighting, copy functionality, responsive design for various devices.
 - Ready for connection to backend AI services (e.g., OpenAI) for code generation workflows.
- **Tech Stack:** Svelte • JavaScript • CSS • REST APIs • GitHub version control

ReactFoodApp (Full-Stack) - Side Project

- **Short Description:** Full-stack food ordering web application where users can browse menus, add to cart, place orders and track status
- **Main Features:**
 - Interactive menu browsing, filtering and cart management.
 - Backend APIs for product CRUD, order handling, user authentication.
 - Frontend state management (Redux) and responsive UI with modern CSS/Framework.
- **Tech Stack:** React.js • Node.js • Express.js • MongoDB • Redux • Tailwind CSS • REST APIs

Small-Shop (E-Commerce) - Side Project

- **Short Description:** A lightweight e-commerce “small shop” project using React with Context API for state management, focusing on frontend architecture and user experience in a single-page application.
- **Main Features:**
 - Product listing and cart features with Context API state management.
 - Responsive design and modern UI patterns.
 - Clear module separation and component-based architecture..
- **Tech Stack:** React.js • Context API • JavaScript • CSS/Tailwind • GitHub version control

Code-Generator-AI (Backend) - Side Project

- **Short Description:** A Node.js backend API for an AI-powered code generation platform. Handles user input, communicates with AI models to generate code, and returns results to the frontend interface.
- **Main Features:**
 - RESTful API endpoints for prompt submission and code generation.
 - Integration with AI services (e.g., OpenAI API).
 - Error handling, async processing, and response formatting for frontend display.
- **Tech Stack:** Node.js • Express.js • JavaScript • REST APIs • GitHub API • AI Integration

Quiz App - Side Project

- **Short Description:** Interactive quiz web app that allows users to answer questions, view instant feedback, and track total scores through a dynamic React interface.
- **Main Features:**
 - Randomized question generation with a built-in timer.
 - Live score tracking and result summary at completion.
 - Lightweight, responsive design optimized for usability.
- **Tech Stack:** React.js • JavaScript • CSS Modules • Tailwind • Vite • GitHub

ADDITIONAL INFORMATION

- **Languages:** Arabic(Native), English(Fluent), Turkish(intermediate)
- **Soft Skills:** Teamwork, Communication, Time Management, Problem-Solving, Adaptability