

UMUT SARPER UZUN

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PERSONAL STATEMENT

Versatile and results-driven Full-Stack Developer with an MSc in Computer Science (Distinction) from Birmingham City University, specializing in scalable web applications, RESTful API development, and cloud-based solutions. Proficient in JavaScript (ES6+), Python, React.js, Node.js, Flask, and SQL, with hands-on experience in building dynamic, secure, and high-performance applications. Experienced in frontend development (UI/UX, responsive design, React.js, Redux, Tailwind CSS) and backend development (RESTful APIs, database design, authentication, and DevOps practices). Passionate about clean, maintainable code, system optimization, and full-stack problem-solving. Currently seeking an entry-level Full-Stack Developer role in a dynamic UK-based team to apply technical expertise and contribute to end-to-end software solutions.

TECHNICAL SKILLS

- **Languages & Technologies:** JavaScript (ES6+), TypeScript (Basic), Python, SQL, HTML5, CSS3
- **Frontend:** React.js, Next.js (Basic), Redux, Tailwind CSS, Ant Design, Bootstrap, Chakra UI
- **Backend:** Node.js (Express.js), Flask, Django (Basic), FastAPI
- **Databases:** PostgreSQL(Basic), MySQL, MongoDB, SQLite
- **API Development:** RESTful APIs, JWT, OAuth2, Axios, Fetch API
- **Tools & DevOps:** Git, GitHub, CI/CD (Basic), Docker (Basic), Vercel, Firebase (Basic)
- **Testing & Debugging:** React Testing Library, Postman
- **UI/UX & Performance:** Responsive Design, Figma to Code
- **Soft Skills:** Problem-Solving, System Design, Team Collaboration, Effective Communication

WORK EXPERIENCE

Software Developer (Project-based) | AFJ Limited, Birmingham, UK

September 2024 – January 2025

- Developed an AI-powered chatbot system for fleet management and document handling.
- Integrated OneDrive API and CheckSafe API for real-time data retrieval and automation.
- Applied natural language processing (NLP) and sentiment analysis techniques to improve chatbot interactions.
- Designed and optimized database architectures using MongoDB & SQL to store and manage user data efficiently.
- Conducted iterative testing and performance analysis to ensure chatbot accuracy and responsiveness.

Design Engineer | AHR Automotive, Adana , Turkey

March 2022 – June 2023

- Managed product design processes, utilizing automation tools and data analysis techniques.
- Conducted engineering simulations and data analysis using Python and MATLAB.
- Optimized design workflows through API integrations with CAD software.
- Implemented scripting and automation solutions to enhance production efficiency.

TECHNICAL PROJECTS

Chatbot Development Project

- Developed a full-stack chatbot application with Flask (backend) and JavaScript + Bootstrap (frontend), integrating OneDrive API for fleet document management and automated reporting.
- Built a secure RESTful API with SQLAlchemy & MySQL, implementing NLP & sentiment analysis using spaCy & Scikit-learn for real-time vehicle maintenance tracking and document processing.
- Deployed on a scalable cloud infrastructure with Docker, ensuring high availability, seamless frontend-backend communication, and efficient document handling.

POS (Point of Sale) Application

- Developed a full-stack MERN POS system using React.js (frontend) and Node.js + Express.js (backend), integrating MongoDB for real-time sales transactions, inventory tracking, and invoicing.
- Implemented user authentication (Login/Register) with JWT & role-based access control (RBAC), ensuring secure multi-user management and payment processing.
- Designed a dynamic dashboard with Redux Toolkit, Ant Design, and Tailwind CSS, enabling real-time data visualization and interactive statistics for business insights.

E-Commerce Platform for Sneaker Sales

- Developed a full-stack e-commerce platform using React.js (frontend) and Node.js + Express.js (backend), integrating MongoDB for user authentication and product management.
- Implemented secure payment integration and RESTful APIs to handle transactions and real-time inventory updates.
- Designed a responsive and dynamic UI, ensuring seamless user experience for browsing, filtering, and purchasing sneakers.

Interactive Dashboard for Data Analytics

- Developed a full-stack data visualization dashboard using React.js (frontend) and Flask (backend), integrating PostgreSQL for real-time data storage and analytics.
- Designed a responsive and interactive UI with Material UI & D3.js, enabling dynamic charts, filtering, and real-time business intelligence insights.

EDUCATION

MSc Computer Science (Distinction) | Birmingham City University, UK

2023 – 2024

- **Degree Classification:** Distinction
- **Dissertation:** : Development of an AI-Driven Chatbot for Fleet Management & Document Handling
- **Key Modules:** Software Development, Database Systems, Web Development

BSc Mechanical Engineering | University of Gaziantep, Turkey

2017 – 2022

- **Degree Classification:** 2:1 equivalent
- **Medium of Instruction:** 100% English

CERTIFICATIONS & TRAININGS

- The Complete Full-Stack Web Development Bootcamp – Udemy (2023)
- React - The Complete Guide 2024 (incl. Next.js, Redux) – Udemy (2024)
- The Modern JavaScript Bootcamp Course – Udemy (2022)
- Production Management Education – IENSTITU (2023)
- The Ultimate MySQL Bootcamp – Udemy (2024)
- The Complete Python Pro Bootcamp – Udemy (2022)

ADDITIONAL INFORMATION

- **Languages:** Turkish (Native), English (Advanced), German (A1)
- **Interests:** Scalable Architecture, Web Development, Basketball, Chess, Galatasaray