İSMAİL CAN KARAAĞAÇ

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CAREER OBJECTIVE

Computer Engineer with diverse experience across mobile, frontend, and backend development. A creative and determined developer dedicated to designing and implementing scalable software solutions. Committed to delivering high-quality user experiences through persistent problem-solving and full-stack technical versatility.

EDUCATION

B.Sc. Computer Engineering, Istanbul Technical University   2021-2025
- Language of Instruction: 100% English
- GPA: 3.19 / 4.00

WORK EXPERIENCE

Token Financial Technologies, Software Engineer   2024 October - Present
- Developed wired POS device integration system with C++, C# and provided direct customer support .
- Maintained Android system applications on POS device using Kotlin and several technologies.
- Built full-stack mobile AI chatbot application for company purposes.
- Within all the mentioned projects, used Git to collaborate with the team.

Token Financial Technologies, Software Engineer Intern   2024 July - 2024 August
- Developed and maintained cross-platform mobile features using React Native.
- Contributed to full-stack development by building RESTful APIs with Java (Spring) and managing PostgreSQL databases.

Kitoko, Web Scraper-Data Collector   2023 September - 2025 January
- Developed automated web scraping scripts using Python, Selenium, and BeautifulSoup4 to extract and store data from various web sources.
- Utilized Pandas for data cleaning, transformation, and preparation of datasets for analysis.

Vialess, Front End Developer   2022 September - 2023 March
- Built responsive and user-friendly web platform including a complete chat using ReactJs, HTML, and CSS.
- Integrated Firebase services for backend functionalities, including authentication and real-time database management.

PERSONAL PROJECTS

ToonBlast, Unity
- Developed a scalable and modular code architecture using OOP principles like inheritance and polymorphism.
- Implemented grid-based matching algorithms and dynamic state management for seamless gameplay.

The Sokoban, Unity
- Implemented grid-based game area to bypass standard physics overhead.
- Implemented custom Command Pattern system to handle complex game states like Undo/Redo efficiently.

Tanks 2D, Unity
- A multiplayer (local) tank combat game developed using Unity 2D physics engine and collision detection systems.

Jigsaw Puzzle, Flutter Flame
- Flutter UI widgets and Flame game engine used mutually to create more seamless game experience.
- Implemented gesture handling, drag-and-drop mechanics, and piece snapping logic.

Kelime Hazinem, Flutter
- Managed the entire product lifecycle from development to deployment, published the app on **Google Play Store**.
- Fully designed on Figma and developed a user-friendly Arabic-Turkish vocabulary learning app with Flutter.
- Implemented local storage solutions and state management to handle user progress and vocabulary sets efficiently, furthermore implemented Firebase integration for sharing vocabulary lists with friends.

CERTIFICATES & TRAINING

Science of Well-Being, University of Yale
- Certified training focused on personal well-being, mindfulness, and building resilience.

Spontaneous Creativity Training, Merve Taşkan
- Live, interactive workshops emphasizing creative thinking, problem-solving techniques and innovation, anytime, anywhere

Application Development with Flutter, Google Digital Garage
- Focus on state management and mobile app architecture using Flutter.

React Native Specialization, Meta
- Comprehensive specialization covering cross-platform development, advanced React concepts, and UI/UX.

Front-End Developer Specialization, Meta
- Professional-level training in ReactJS, HTML/CSS, JavaScript, and Version Control (Git).

Python for Everybody, University of Michigan
- Covering Python data structures, web data access (HTTP), and database management (SQLite3).

ADDITIONAL SKILLS & INTERESTS

Languages: English (fluent), Arabic (intermediate), Spanish (beginner), Turkish (native)

UI/UX Design: Actively involved in mobile app interface design processes using Figma

Poetry: Writing poetry to enhance creative thinking and emotional expression.