



Serkan Bilisel

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europass

ABOUT MYSELF

- Develops modern web and mobile applications using React, React Native, and Next.js
- Builds reliable backend solutions with .NET Core
- Designs user-focused and modern interfaces, applying UX/UI principles
- Works on PWA, SPA, and ERP systems
- Manages and optimizes databases using Entity Framework, Dapper, and SQL
- Constructs scalable cloud solutions with Firebase
- Follows current AI technologies to improve development speed and code quality

WORK EXPERIENCE

Yıldız Teknik University Teknopark / AtsanLacin Engineering Istanbul, Turkey

Frontend Developer

10/03/2025 – Current

As a Frontend Development Specialist, I have contributed directly to the frontend development and design processes of station automation projects. I designed and implemented high-performance, user-focused interfaces for web and mobile platforms using React, React Native, and TypeScript, personally executing the majority of the designs. I developed modern UI components and hybrid mobile features using Material-UI (MUI), Tailwind CSS, and Capacitor, while adhering to UX/UI principles and keeping up with current trends.

I optimized data management, location-based functionalities, and task collaboration by integrating Redux Toolkit (RTK), Context API, API integrations, Google Maps, and ClickUp. To enhance performance, I implemented modern skeleton screens, leveraged RTK useMemo/useCallback, applied caching mechanisms, and executed bi-directional lazy loading.

I actively participated in project meetings, providing strategic suggestions for backend and frontend architectures, improving project integrity and efficiency.

Responsibilities:

- **Frontend Development & Design:** Developed web and mobile applications using React, React Native, and TypeScript; designed accessible, responsive, and user-focused interfaces; personally executed most designs and integrated current UI trends.
- **UI Libraries & Integrations:** Created modern components with Material-UI (MUI) and Tailwind CSS; transformed web projects into hybrid mobile applications with Capacitor, optimizing native features such as camera and geolocation on iOS and Android.
- **Data Management & Integration:** Optimized data processing and state management with Redux Toolkit and Context API; ensured seamless data flow through API integrations; improved task management and collaboration via ClickUp integration.
- **Map Integration:** Integrated Google Maps API to implement location-based functionalities.
- **Project Contribution:** Actively participated in project meetings, providing strategic input for backend and frontend architectures.
- **Performance Optimization:** Enhanced application speed, resource usage, and efficiency; managed loading and pending states using modern skeleton screens; prevented repeated GET requests by integrating caching with RTK useMemo/useCallback (critical for SPA); improved performance with bi-directional lazy loading and DOM optimization.

First Global Information Technology Software Electronics and Consulting

Istanbul, Turkey

Full Stack Development Specialist

24/07/2024 – 01/03/2025

As a Full Stack Development Specialist, I managed all stages of modern web and mobile application development. I developed user-friendly frontend applications using React and React Native. On the backend, I built RESTful APIs with .NET Core. Additionally, I optimized application performance and managed data using cloud-based solutions like Firebase and FireCloud. I gained experience in data integration and querying with SQL-based databases.

Key Responsibilities:

- **Frontend Development:** Developed web applications with React and mobile applications with React Native, optimizing user interactions.

- Backend Development: Designed and developed RESTful APIs with .NET Core, managing secure authentication and authorization processes using JWT.
- Database Management: Ensured robust data management and integration using SQL and NoSQL databases.
- Cloud Technologies: Optimized application data management with Firebase and FireCloud, enhancing data security and performance.
- Application Improvement: Conducted performance analysis and solution development to increase application speed and efficiency.

BingDogMama - PWA - Freelance

Link <https://www.bingdogmama.com/>

Full Stack Developer

01/12/2024 – 24/01/2025

Technologies: C#, ASP.NET Core, Entity Framework, SQL (advanced queries), HTML5, UX/UI principles, BEP20

Project Overview:

In this project, I developed a high-performance and secure platform that integrates financial transactions, task management, and a rewards system. Unique algorithms ensure that the referral and earnings mechanisms are fully controlled by administrators, with all operations managed through manual approval processes.

Algorithm, Referral, and Earnings System:

- Algorithms: Developed algorithms automatically collect rewards once task durations end.
- Referral System: Users earn by inviting others; all earnings are individually recorded and managed in detail.

Balance Management and Financial Transactions:

- Deposit Requests: Users can request deposits up to 10 times per day. Each request is displayed in the admin approval panel with details such as date, time, and transaction amount.
- Withdrawal Requests: Users can submit only one withdrawal request per day. Withdrawals are processed via the BEP20 network and are manually approved by administrators.
- Transaction Records: All financial transactions (date, time, balance updates, etc.) can be monitored in detail from both user and admin accounts.
- Manual Approval Processes: Deposit and withdrawal operations are carefully reviewed and approved or rejected by administrators.

User Security and Verification:

- Users are required to provide additional verification information (security questions, email, phone number) for critical actions such as password changes.
- Users can participate in a specific task only once per day.
- After the first payment, users can participate daily in packages for one year without additional payments.

Administration and Automated Services:

- Continuous background automated services manage operations such as collecting rewards at the end of task durations.
- All data is processed in real-time and monitored by administrators.

Performance and Scalability:

- The system runs on a high-performance infrastructure capable of handling millions of records seamlessly.
- Optimal speed, data integrity, and security are ensured for both users and administrators.

Cityemlak.net istanbul, Turkey

Website www.cityemlak.net

Full Stack Development - Freelance

03/08/2024 – 03/10/2024

Developed a performance-oriented, high-efficiency real estate management platform using C# ASP.NET Core 8 and Dapper.

- Managed SQL queries quickly and reliably using optimized data access layers with Dapper.
- Created a fully mobile-responsive design and performed SEO optimization.
- Achieved a search engine-friendly site with SEO-compliant URL structure.
- Obtained a 100% SEO score and a 96% performance score in performance analyses.
- Developed an authorization mechanism.
- Real estate agents can view and manage only their own listings, while the admin can dynamically control the entire site. A one-click function to activate/deactivate listings was added to the admin panel.
- **Statistics and Reporting Module:** Critical data related to sold/rented properties (sale/rental date, customer information, commission rate, price, etc.) can be monitored and managed in real-time. This data is kept accurate and up-to-date for future sales/rental strategies.
- With SignalR integration, the number of live users on the platform can be tracked in real-time. The active user count is immediately visible from the admin panel.
- **Google Maps and YouTube Integration:** Location display on the map and video addition feature were provided in listing details. These integrations were accomplished directly through HTML without using APIs.
- Users have functionalities such as directly calling the real estate agent or sending a message via WhatsApp with one click, enhancing user experience.

- The entire URL structure was optimized for SEO with SlugURL and designed as an ERP system registered with Google search engine.
- The project was managed by me from start to finish (analysis, development, testing, and deployment) and successfully completed. I took full responsibility for this comprehensive project, with each step meticulously planned and executed from inception to launch.

RealMeme.ai - Crypto Promotion Website Toronto, Canada

Website www.realmeme.ai

Full Stack Development - Freelance

14/12/2023 – 28/12/2023

Technologies: React, Single Page Application (SPA), JavaScript, CSS, HTML

- Project Description: Realmeme.ai is a meme coin created for humorous purposes in the cryptocurrency space. It was developed using a Single Page Application (SPA) architecture to provide a user-friendly interface and fast interactions.
- Frontend Development: The project, developed using the React framework, delivers a high-performance user experience through dynamic and optimized components. The interface components are meticulously designed to enhance user interaction.
- Custom Animations and Visuals: Original animations and visual elements, designed from scratch with CSS and JavaScript, were developed to enrich the user experience and enhance the visual appeal of the platform.
- Performance and Efficiency Optimization: Thanks to the SPA architecture, page transitions are quick and seamless, allowing the platform to achieve high performance goals. Data is managed dynamically to optimize user experience with low latency and high efficiency.
- Mobile Compatibility (Responsive Design): To provide a seamless user experience across all devices, responsive design principles were applied to ensure the platform is compatible with every screen size.
- Project Management and Deployment: All phases of the project—analysis, development, testing, and deployment—were conducted under my responsibility and successfully launched. Each stage of the development process was managed with detailed planning and execution.

Benkien Electronic istanbul, Turkey

Business or Sector Other service activities | **Department** Development | **Website** <http://www.benkien.com/>

Full Stack Developer

03/11/2023 – 06/04/2024

Project: Comprehensive ERP System

Technologies: C#, JavaScript, HTML5, CSS, Bootstrap, AJAX, SQL, Entity Framework (EF), WebAPI

Project Description: A comprehensive ERP system has been developed to manage the company and its departments. The project provides a robust infrastructure to meet user needs.

Architecture and Technologies:

- N Architecture: N architectural structure has been utilized to facilitate the sustainability and maintenance of the software.
- Database Management: Database design and management have been carried out using SQL and a code-first approach. Entity Framework ensures that data is processed securely and efficiently.
- API Development: API services have been developed to enable integration with external applications.
- User Feedback: Continuous improvements have been made based on user feedback to enhance the functionality of the system.

PROJECTS

11/07/2024 – 13/07/2024

Rick and Morty - React Native App

Write here the description...Libraries Used

- React Native: The primary development platform for the application.
- Axios: Used to send HTTP requests and communicate with APIs.
- Expo/vector-icons: Utilized to incorporate icons into the application.
- React-navigation: Employed for page routing and navigation operations.
- Redux-toolkit and AsyncStorage: Used for local state management and data storage operations for managing favorite characters.

Link: [GitHub Repository](#)

EDUCATION AND TRAINING

01/02/2014 – CURRENT istanbul, Turkey

Law and Office Management Istanbul University

10/10/2022 – 03/05/2023 istanbul, Turkey

FullStack Developer Siliconmade Academy

Website <https://siliconmadeacademy.com/>

Link https://drive.google.com/file/d/1fWoQfhcjh_D_fdfHJ6YAieVhUQ66f4l/view

LANGUAGE SKILLS

Other language(s):

English

Listening B2

Spoken production B2

Reading B1

Spoken interaction B2

Writing B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

DRIVING LICENCE

 **Driving Licence:** A2

 **Driving Licence:** B