

Necati Can Şahin

Summary

I develop user-friendly and high-performance front-end interfaces using **ReactJS**, **NextJS**, **VueJS**, and **jQuery**. My projects are enhanced with robust libraries such as **Material UI**, **Chakra UI**, **Redux**, **React Query**, and **React Hook Form**. Within the **Vue** ecosystem, I utilize tools like **Vuetify**, **Quasar**, and **PrimeVue** to create fast and consistent applications.

On the back-end, I work with **Node.js** and **ExpressJS**, designing secure and scalable **REST APIs** with popular modules like **Socket.io**, **Mongoose**, **Sequelize**, **Passport**, and **Helmet (middleware)**.

This combination of technologies and libraries enables me to manage both user experience and system infrastructure in a strong and sustainable manner as a full-stack developer.

Technical Skills

Mobile Development: React Native, Kotlin, Java, TypeScript, JavaScript

Frontend: ReactJS, Redux, TypeScript, React Router, React Query, Tailwind CSS, Material-UI, Framer Motion, Vue.js, Vue Router, Vuex, jQuery

Backend: RESTful APIs, Socket.IO, Node.js, ExpressJS, Prisma, Passport, Axios, Mongoose, Cors, Redis, RabbitMQ, Socket.IO

Databases: Firebase (Realtime DB & Firestore), Room, PostgreSQL, MongoDB, MySQL, Supabase

State Management: Redux, Context API, Jetpack ViewModel, LiveData, StateFlow

DevOps & Tools: Git, GitLab CI/CD

Testing: Unit Testing, Integration Testing, JUnit

Architecture: MVVM, Clean Architecture, Microservices, Atomic Design

Machine Learning: TensorFlow, Keras, OpenCV (Intermediate Level)

Methodologies: Agile, Scrum

Soft Skills: Problem-solving, Teamwork, Effective Communication, Continuous Learning

Experience

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| Oct. 2024 – Feb. 2025 | Bestnet GreenSoft Teknoloji | Antalya, Türkiye |
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React Native / React Developer

Developed performance-oriented and scalable mobile applications for **Android** and **iOS** platforms using **TypeScript** and **React Native**.

Implemented robust state management and data caching structures with **Redux**, **Redux Toolkit**, and **React Query**.

Integrated real-time features through **Firebase (Authentication, Firestore, Cloud Messaging, Remote Config)** and various **RESTful API** services.

Seamlessly integrated **React Navigation**, **Deep Linking**, and **push notification** systems (**FCM**, **Expo**) into applications.

Applied performance optimizations such as Lazy Loading, memoization (**React.memo**, **useMemo**, **useCallback**), and **FlatList** enhancements.

Established unit and end-to-end testing processes using **Jest**, **React Native Testing Library**, and **Detox**.

Managed automated testing, building, and deployment workflows with **Expo EAS**, **GitLab CI**, and **Fastlane**.

Created modular and reusable component structures following **Atomic Design** principles.

Contributed to **Agile/Scrum-based** teams by conducting code reviews and sharing knowledge to enhance team efficiency.

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| Jul. 2024 – Dec. 2024 | PixelEdgeLTM | Freelance |
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Full Stack Developer

Developed scalable and user-friendly web applications using modern frontend and backend technologies.

Designed and implemented responsive and dynamic user interfaces using **ReactJS, TypeScript, Tailwind CSS, and Material-UI**.

Managed state efficiently across complex applications with **Redux** and **React Query**.

Developed secure and robust **RESTful APIs** using **Node.js, ExpressJS**, and integrated **Redis** for caching to optimize performance.

Built real-time features such as notifications and live updates using **Socket.IO**.

Leveraged **Prisma ORM and PostgreSQL** for efficient database management and structured query optimization.

Integrated **RabbitMQ** for asynchronous task processing and background job handling.

Conducted unit and integration testing using **Jest** and improved code quality through regular code reviews.

Deployed and managed the application in a **Dockerized** environment for consistent and scalable delivery.

This experience significantly strengthened my skills in full-stack development, performance optimization, and real-time systems integration while fostering collaboration in an **Agile/Scrum** team environment to enhance team efficiency.

Jan. 2024 – July. 2024

InnoLCare

Freelance

Full Stack Developer

Developed a web-based task management platform tailored for small to medium-sized enterprises to efficiently organize and monitor team activities. This project offered end-to-end development experience, combining modern frontend and backend technologies.

Frontend Development: Built a user-friendly and responsive interface using **ReactJS, TypeScript, Tailwind CSS, and Material-UI**.

Implemented state management using **Redux and React Query** to handle **real-time** data synchronization across components.

Enhanced user interaction with **Framer Motion** for smooth animations and transitions.

Backend Development: Designed and developed **RESTful APIs using Node.js, ExpressJS**, and integrated **Socket.IO** for real-time task updates and notifications.

Established secure user authentication and authorization with **JWT and Passport.js**.

Incorporated background task processing with **RabbitMQ**, ensuring smooth handling of email notifications and reminder triggers.

Database Management: Utilized **PostgreSQL with Prisma ORM** for structured and efficient database operations.

Applied **Redis** for caching frequently accessed data, improving API response times.

Project Highlights: Created a **"Kanban board"** feature for task visualization with drag-and-drop functionality.

Developed a real-time collaboration tool where team members could comment and receive instant updates.

Implemented recurring tasks and automated reminders to improve productivity.

Optimization & Deployment: Ensured high performance by implementing API rate limiting, database query optimization, and server-side caching.

Deployed the application using **Docker** containers and managed CI/CD pipelines with GitLab CI for seamless testing and deployment workflows.

This experience not only refined my full-stack development skills but also deepened my expertise in building scalable and **real-time** web applications tailored to user needs.

Projects

Sep. 2021 – Jun. 2025

Akdeniz Üniversitesi

Antalya, Türkiye

Yönetim Bilişim Sistemleri

- GANO: 3.54/4.00

Projects

- **El Emeği Rüya Application:** Developed a platform where users can analyze, save, and share their dreams. Built with **React Native**, the frontend leverages technologies like **Redux**, **Axios**, **MVVM** architecture, and advanced **React Native** features. The backend was developed using **Node.js**, **Prisma ORM**, **Express.js**, and related **Node.js** plugins. Database management is handled with **PostgreSQL**, and the application integrates with **Gemini AI** to provide dream interpretations based on Islamic traditions.
- **Para Yönet Harcama Application:** Developed an expense tracking application where users can log their monthly expenditures and view daily and monthly statistical analyses. The application allows users to save expense receipts and provides features like income tracking, savings, and budgeting analysis. Built on **React Native**, the frontend utilizes technologies such as **Redux**, **Axios**, **MVVM** architecture, and other modern **React Native** tools. The backend is powered by **Node.js**, **Prisma ORM**, **Express.js**, and various **Node.js** plugins. **PostgreSQL** is used for database management.
- **E-RCT:** Developed an application within the company where farmers can filter medications based on plant diseases. This large-scale project, which I had the opportunity to develop from start to finish, provided significant financial value and invaluable experience. The project involved working with technologies such as **Redux**, **Google Maps**, **Weather API**, **Socket.IO**, **React Navigation**, **Reanimated**, **Gesture Handler**, **icon libraries**, and **advanced Expo classes**. This project allowed me to gain comprehensive experience in end-to-end application development.
- **Metin Temelli Sanal Terapi API:** Developed a backend solution that provides meaningful insights and suggestions by conducting AI-driven sentiment analysis on users' daily entries. This project offers robust infrastructure with a focus on security, speed, and flexibility, delivering an impactful technological solution in the mental health domain. Technologies used: **Node.js**, **Express.js**, **PostgreSQL**, **Prisma ORM**, **Google Gemini API**, **JWT authentication**, **Helmet**, **Winston**, and **Jest**.
- **Modern Günlük Uygulaması:** Developed a platform enabling users to easily create and manage daily entries. With its modern design and robust functionality, the platform offers a user-friendly experience. Technologies used: **React**, **TypeScript**, **Redux Toolkit**, **Async Thunks**, **Material UI**, **Axios**, **JWT-based integration**, and **responsive design for both mobile and web compatibility**. This project aims to help users enhance emotional awareness and manage their daily routines more efficiently.
- **Öğrenci Pazarı E-Ticaret Proje:** Developed a platform for buying and selling second-hand products tailored for university students. Backend: Built using **Node.js (Express.js)** with **RESTful APIs**, **PostgreSQL (Prisma ORM)**, **JWT authentication**, **bcryptjs**, **Multer (multi-image uploads)**, **Swagger UI**, and **CORS**. Frontend: Implemented with **React 18 (TypeScript)**, **Material-UI (MUI)**, **Redux Toolkit**, **React Router v6**, **Axios**, **SEO optimization**, and an enhanced theme system for responsive design. Features: Includes product **CRUD** operations, category-based listing, multi-image uploads, user-specific dashboards, and real-time form validation.
- **E-Ticaret Backend API:** Developed a modern e-commerce backend **API** supporting dual-role functionality for customers and sellers. This comprehensive project provided hands-on experience in designing scalable and secure systems while leveraging modern backend technologies. The project involved working with technologies such as **Node.js**, **TypeScript**, **Express.js**, **Prisma ORM**, **PostgreSQL**, **Redis**, **RabbitMQ**, **JWT authentication**, **Docker**, and **Socket.IO**. Key features include hierarchical product

categorization, **Redis-based real-time cart management**, **multi-seller order processing**, and **real-time** notifications using **Socket.IO**. This large-scale backend system was developed with a modular architecture to ensure maintainability and scalability. It offered significant insights into performance optimization through caching, secure data handling, and efficient **API** design. This project greatly enhanced my expertise in backend development and real-time system integration.

Hobbies & Interests

Football, Film, Basketball, Video Games, Boxing, Wrestling, LLM, Artificial Intelligence (AI)

References

References will be provided upon request.