

Sean Pesis

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Results-driven Full Stack Engineer with 3+ years of experience designing, developing, and deploying scalable web applications. Proven expertise in building robust back-end architectures and intuitive front-end user experiences. Adept at problem-solving and collaborating within Agile teams to deliver high-quality software solutions that meet business objectives.

Experience

Full Stack Engineer at Herzliya Medical Center

01/2023 - Present

- Spearheaded a hospital-wide full-stack software initiative to streamline clinical and administrative workflows across 10+ departments, leading the planning, execution, and cross-functional coordination.
- Architected and maintained a scalable, cloud-native infrastructure utilizing React, Node.js, Docker, and Kubernetes, ensuring 99.9% system uptime, high availability, and optimal performance.
- Engineered a C# project implementing a WebSocket client/server architecture to facilitate real-time data transmission and effectively manage the connection lifecycle.
- Managed complex debugging, incident resolution, and continuous deployments (CI/CD) to internal mission-critical systems, significantly enhancing platform stability and overall user experience.

IT Help-Desk & Systems Specialist at Herzliya Medical Center

01/2021 - 12/2022

- Automated software deployments, routine patching, and user onboarding/offboarding processes using custom scripting, standardizing device imaging and significantly reducing manual IT effort.
- Administered user accounts, permissions, and Active Directory across core systems, ensuring strict compliance with MFA protocols and organizational security policies.
- Managed and supported over 450 network endpoints, achieving above 98% data recovery success rate, and was consistently recognized by management for excellence in technical support.
- Authored technical Standard Operating Procedures (SOPs) and runbooks, built an internal knowledge base, and trained staff to boost first-contact resolution and self-service capabilities.

Technical Knowledge

- **Programming Languages:** Java, JavaScript, TypeScript, C#, C, C++, Python
- **Frontend Technologies:** React, Vue.js, HTML, CSS, Single-Page Applications (SPA)
- **Backend Technologies:** Node.js, RESTful APIs, Microservices, MVC/MVVM Architecture, WebSockets
- **Databases:** MongoDB, MySQL, SQL, Supabase, Google Cloud
- **Cloud & DevOps:** Docker, Kubernetes, AWS, CI/CD Pipelines
- **Methodologies & Tools:** Git, Agile/Scrum, SOLID Principles, OOP, Data Structures & Algorithms
- **Soft Skills:** Complex Problem Solving, Cross-functional Collaboration, System Troubleshooting, Fast Learner, Leadership.

Education

Holon Institute of Technology (HIT), Israel

- B.Sc. in Computer Science | Average: 82
- Advanced JavaScript & Node.js Certification Course | Final Grade: 99

Selected Project

[MD Scan] – C#/.NET Framework 4.8 , TWAIN protocol , WebSocket/WSS

Dec 2025 - Present

- Developed a Windows service that bridges local and network-attached TWAIN scanners to browser-based web applications via a secure WebSocket server, enabling real-time document scanning without browser plugins.
- Implemented fault-tolerance including stuck-state detection, timeout-guarded recovery for unresponsive LAN scanners, and automatic TWAIN subsystem restart, significantly improving reliability in multi-user production deployments.