

# Chaim Malov

Frontend Developer & UI Specialist  
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## Professional Experience

### Frontend Developer & UI Lead | 8200 Unit (IDF)

2022 - Present

#### SDK & Library Development

- **Built powerful TypeScript SDK and plugin system** for external consumption, adopted by 10 teams with custom CLI for publishing
- **Implemented secure JavaScript sandbox** with DOM isolation, prototype chain protection, and runtime code execution
- **Designed robust plugin architecture** with version management, hot rollback capabilities, validation and monitoring
- **Co-created comprehensive deployment pipeline** for plugin validation and distribution to S3 infrastructure, and for an NX monorepo with 50+ packages and projects
- **Created detailed documentation** and integration guides for plugin developers and third-party teams

#### Performance & Code Quality

- **Eliminated daily crashes** and improved performance for 20K users and **reduced memory usage by 33%** through advanced optimization and debugging techniques
- **Maintained high code quality** as lead code reviewer for 7-person team, establishing best practices and standards
- **Optimized browser accessibility & performance** with lazy loading and lazy rendering for large datasets and complex UI components, improving load times by 40%

#### Technical Leadership

- **Refactored 70% of legacy codebase** including 100+ reusable components with modern, modular architecture principles
- **Mentored 20+ developers** on modern web development practices, TypeScript, and performance optimization
- **Collaborated with cross-functional teams** including backend engineers and data specialists across multiple high-impact projects
- **Led frontend architecture design** for multiple projects, focusing on scalability and maintainability
- **Conducted training sessions** on advanced Angular features, RxJS, and performance optimization

### Military Service | 8200 Unit (IDF)

2021-2025

Developer on classified operational systems with focus on frontend architecture and user experience.

## Key Achievements

- ★ **Unit Recognition Award & Early Rank Promotion** (Independence Day 2025) for technical innovation and dedication

## Technical Expertise

**Frontend/SDK:** JavaScript (ES6+), TypeScript, DOM APIs, Lazy Loading/Rendering, Cross-browser Compatibility

**Architecture:** Plugin Systems, JavaScript Sandboxing, Security Implementation, Modular Code Design

**Development:** Angular 15-19, SCSS, TailwindCSS, RxJS, Performance Optimization, Memory Management

**DevOps/Pipeline:** CI/CD Pipeline Development (GitLab), Plugin Deployment, Docker, Git, Code Reviews

## Education

**Advanced Software Development** | Basmach - IDF School of Computer Science

**Software Engineering** | Ort Ramat Gan College (High Honors)

## Languages

**Hebrew:** Native | **English:** Fluent (Canadian Citizenship)

*Available for frontend development roles upon completion of military service*