Melina Behzadi Nejad

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SUMMARY

Experienced web developer with 2+ years of expertise in full-stack application development, RESTful API integration, and database-driven solutions. Skilled in improving performance, cutting page load durations by 50%, and enhancing user experience. Effectively introduced robust authentication measures and cloud-based infrastructure.

PROFESSIONAL EXPERIENCE

Full Stack Developer, SOL Cafe & Lounge | *Toronto, ON*   **Oct 2024 - Present**
Skills: React.js, Node.js, Express.js, MongoDB, Stripe API, JWT Authentication, Figma, Vercel, Render

- Developed a full-stack React-based restaurant management system that automated menu updates, reservations, and event management, cutting manual tasks by 50% and boosting efficiency.
- Architected a customer-facing website and admin portal that provided real-time control over menu items, reservations, and event scheduling—boosting operational efficiency and reducing booking errors by 30%.
- Integrated Stripe for secure payment processing, reducing transaction failures by 25% and ensuring encrypted transactions for online bookings.
- Optimized database queries and API performance, reducing system response time by 50% and improving scalability for high-traffic events.
- Architected backend-for-frontend services using Node.js and Express.js, supporting RESTful APIs that reduced latency by 55% during high-traffic event bookings.

Full Stack Developer, Freelance | *Toronto, ON*   **Jan 2023 - Present**
Skills: C#, ASP.NET Core, Swift, Java, JavaScript, Firebase, ASP.NET MVC, Node.js, Express.js, MongoDB, Bootstrap, HTML, CSS, Authentication & Authorization

- Engineered and deployed multiple full-stack applications with secure authentication and cloud-based solutions, reducing load times by 55% and scaling concurrency by 30%.
- Constructed and maintained scalable RESTful APIs by integrating multiple third-party services and synchronizing real-time data—shortening response times by 40% and significantly enhancing the overall user experience.
- Migrated from static front-end architectures to dynamic, database-driven applications, accelerating content delivery by 60% and enabling real-time content updates.

Robotic Programmer, Amir Kabir University | *Tehran, Iran*   **Dec 2016 - Dec 2017**
Skills: C++, Arduino, Embedded Systems

- Programmed an autonomous robotic navigation system, improving real-time pathfinding accuracy and reducing error rates by 35%.
- Engineered embedded software for hardware-software integration, ensuring seamless communication between mechanical components and control systems—reducing error rates by 30% and cutting latency by 25%.
- Contributed to a third-place win in the AUT Cup 2018 robotics competition by implementing algorithm optimizations, enhancing processing speed by 20%.

PROJECTS

Event Booking Platform| *Spring Boot, Java, MongoDB, PostgreSQL, Docker, REST APIs, Microservices, JWT, OAuth 2.0*
                                                                              Sep 2024 - Dec 2024
- Designed and executed a microservices-based event booking and room booking system with Spring Boot, shifting from a monolithic design to a distributed system that cut API response times by 35%.

- Integrated PostgreSQL and MongoDB for Improved data persistence, cutting query execution times by 45% and eliminating double-booking conflicts.
- Applied JWT & OAuth 2.0 authentication, enforcing role-based access for students, staff, and faculty event approvals and Reduced unauthorized access by 90%.
- Deployed services using Docker & Docker Compose, decreasing deployment times by 60% and doubling the system's capacity to handle concurrent transactions.

TripSphere – Travel Booking Platform| *C#, ASP.NET Core, MVC, Bootstrap, Authentication*   **Feb 2023 - Apr 2024**
- Created and deployed a full-stack travel booking platform integrating flight, hotel, and car rental reservations and management, increasing booking conversion by 20%.
- Enforced secure authentication and role-based access control, reducing unauthorized access attempts by 70% and ensuring robust user/admin management.
- Designed and optimized an admin dashboard for real-time listing management, reducing manual data updates by 50%.

PursePal – iOS Expense Tracking App| *Swift, SwiftUI, CoreData, Firebase*   **May 2024 - Sep 2024**
- Built a personal finance tracking app for categorizing and monitoring spending habits, improving budgeting accuracy by 25%.
- Enforced secure data encryption and offline storage using CoreData, increasing data security by 40%.
- Expanded the UI/UX with SwiftUI, increasing user retention by 35% by transitioning from a rudimentary interface to an intuitive design.

Lumina – Real-Time Messaging App| *Swift SwiftUI, Firebase, Authentication*   **Apr 2024 - Oct 2024**
- Created a WhatsApp-like chat application with real-time messaging, end-to-end encryption, and push notifications, reducing message latency by 60%.
- Leveraged Firebase Firestore for real-time updates, reducing message sync latency by 60%.
- Integrated user authentication and secure login mechanisms, strengthening data security by 40% and improving verification processes.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, Java, C#, Swift, PHP

Database: MySQL, PostgreSQL, MongoDB, Firebase, GraphQL

Libraries/Framework/Tools: React, React Native, Node.js, Express.js, Angular 17+, Spring Boot, MVC.NET Core, Bootstrap, SwiftUI, Figma, Socket.io, GraphiQL, NumPy, Pandas, scikit-learn, OAuth 2.0, JWT, Git, Jenkins, JIRA, Postman, Jest, Mocha

Cloud Technologies & DevOps: Microsoft Azure, Docker, Vercel, Netlify, Render, CI/CD

Development Tools: Git, GitHub, IntelliJ IDEA, Visual Studio Code, Xcode, Android Studio, WebStorm

Software Development Practices: Object-Oriented Programming, Data Structures & Algorithms, Agile Development

EDUCATION

Advanced Diploma in Computer Programming and Analysis – George Brown College| 3.77/4   **Jan 2023 - Apr 2025**
- Dean's Honor List (5 out of 6 semesters), awarded by Luigi Ferrera, Dean of Centre for Arts, Design & IT

Bachelor of Science in Physics Engineering – Olum Tahghighat University| 17.5/20   **Sep 2020 - Aug 2022**

Relevant Coursework: Full Stack Development, Web & Mobile App Development, Data Structures & Algorithms, Database Management, Agile Software Development, DevOps, Cybersecurity, Applied Machine Learning, System Analysis & Design, Open Source Development, and Cloud Computing.