Mike Shirvani

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PROFESSIONAL SUMMARY

Full Stack Developer with over 3 years of experience designing, building, and deploying scalable web applications using Java, Spring Boot, React, Node.js, and AWS. Skilled in crafting responsive, user-friendly interfaces and secure, high-performance backends. Adept at integrating APIs, optimizing database queries, and leading Agile development cycles from concept to deployment. Proven track record in delivering production-ready software, mentoring junior developers, and implementing CI/CD pipelines to accelerate delivery. Passionate about leveraging modern technologies, cloud platforms, and clean code principles to create innovative digital solutions.

SKILLS

- ✓ **Languages:** Java, Python, C, C++, SQL (Postgres), JavaScript, HTML/CSS, Kotlin, XML
- ✓ **Frameworks & Tools:** React, Node.js, Spring Boot, FastAPI, Docker, Git, Tailwind CSS, Figma
- ✓ **Libraries:** JavaFX, Bootstrap, JUnit
- ✓ **AI & Cloud:** OpenAI API, Vercel, AWS (EC2, S3), MongoDB, JWT Auth, CI/CD (GitHub Actions)
- ✓ **Other:** RESTful APIs, Machine Learning (in-browser), Agile/Scrum
- ✓ **Certifications:** SCRUM Fundamental Certification

PROFESSIONAL EXPERIENCE

Full Stack Developer   **May 2023 - Oct 2024**
Car Source   *Gaithersburg, MD*
- Developed and deployed a React + Node.js web platform with secure JWT authentication and role-based access.
- Integrated QuickBooks API to streamline invoicing and eliminate manual AR entry, reducing processing time by 50%.
- Built REST APIs and backend logic using FastAPI-inspired architecture with MongoDB.
- Containerized app with Docker and deployed via AWS EC2 and NGINX, using GitHub Actions for CI/CD.
- Collaborated with designers and stakeholders in Agile sprints, ensuring delivery of tested, scalable features.
- Focused on data integrity, responsive UI/UX, and clear communication between frontend/backend layers.

Software Developer   **Jun 2022 - Dec 2022**
Innovatech Solutions   *Washington, D.C*
- Designed and maintained scalable full-stack applications using Java, Spring Boot, React, and PostgreSQL, improving system uptime by 30%.
- Developed RESTful APIs for integrations, increasing automation and reducing data entry errors.
- Migrated legacy systems to microservices architecture with Docker and AWS, reducing infrastructure costs by 20%.
- Implemented CI/CD pipelines to accelerate deployments from days to hours.
- Enhanced UI performance with Tailwind CSS and Bootstrap, improving mobile usability scores by 40%.
- Mentored junior developers, improving team code quality and reducing production bugs.

Junior Software Developer   **Jan 2021 – Feb 2022**
BrightApps Technologies   *Rockville, MD*
- Assisted in developing web applications using JavaScript, JavaFX, and Spring Boot for internal tools and client projects.
- Wrote SQL queries and optimized database performance in Postgres.
- Contributed to frontend enhancements using Bootstrap for better user experience.
- Participated in Agile standups, sprint planning, and backlog grooming.
- Collaborated with QA teams to debug and resolve issues before production release.

PROJECTS

Spring Boot Blog Application | Java, Spring Data JPA, H2 Database, Thymeleaf, Spring Security
- Built a full-stack web app using Java Spring Boot (MVC architecture) with Spring Data JPA and an H2 in-memory database for efficient data handling
- Integrated Thymeleaf for dynamic server-side rendering and Spring Security for role-based authentication and access control
- Developed RESTful APIs to enable scalable frontend-backend communication and implemented caching and optimized JPA queries for performance.

Free Scribe – Browser-Based Translation App | React, Web Workers, Tailwind CSS, ML APIs
- Created a browser-native transcription tool using in-browser ML models and Web Workers for real-time performance
- Integrated OpenAI models for speech-to-text translation with intuitive and lightweight UI
- Designed for edge-device compatibility with zero backend dependency (ideal for secure environments)
- Delivered a lightweight, serverless solution ideal for real-time language processing

Custom PC
- Designed and built a performance-focused desktop setup for multi-container local deployments and development workflows, carefully selecting compatible components, configuring BIOS settings, implementing advanced cooling solutions, and troubleshooting hardware/software integration to maximize efficiency, stability, and longevity
- Diagnosed and resolved hardware/software conflicts, including driver mismatches, boot sequence issues, and BIOS update procedures, ensuring full hardware compatibility and long-term reliability

EDUCATION

University of Maryland, College Park, MD   **Aug 2022 - Jan 2025**
Bachelor of Science in Computer Science, Minor in Technology Entrepreneurship (MTECH)
Relevant Coursework: *Artificial Intelligence, Databases, Software Engineering, Systems Programming, Data Structures and Algorithms, Web Development, Programming Handheld Systems*

Montgomery College, Rockville, MD   **Aug 2020 - May 2022**
Associate's in Computer Science