



# Matthew Tsenkov

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## EDUCATION AND TRAINING

SEP 2016 – APR 2020

**BACHELOR OF SCIENCE IN COMPUTER SCIENCE** Eastern Michigan University

**Website** <https://www.emich.edu/> | **Field of study** Computer Science

## WORK EXPERIENCE

### PRIVATE CLIENTS AND SMALL BUSINESSES

**SOFTWARE DEVELOPER** – MAR 2023 – OCT 2025

#### Projects:

- Worked with multiple clients delivering backend and full-stack features across diverse stacks
- Example Project: [Wedding RSVP](#) - multilingual single-page RSVP web application

#### Responsibilities:

- Developed features, bug fixes, and performance optimizations across multiple domains, adapting to various project setups and temporary repository access
- Delivered high-quality solutions within strict deadlines, ensuring seamless integration into existing systems
- Implemented OAuth2 token-based authentication, login/registration flows, and secure authorization to protect client data
- Applied skills gained from completing the HackTheBox "Bug Bounty Hunter" path to improve application security

#### Technologies and Methodologies:

- Java, Hibernate, Spring, Spring Boot, Spring Data, JUnit, Mockito, JavaScript, Next.js, React, React Bootstrap, Framer Motion, MongoDB, MySQL, Vercel

### DXC TECHNOLOGY – SOFIA, BULGARIA

**SOFTWARE DEVELOPER** – DEC 2021 – FEB 2023

#### Projects:

- Italian Ministry of Infrastructure and Transport, Booking System (Prenotazione)
- Italian Ministry of Infrastructure and Transport, Unique Document (Documento Unico)

#### Responsibilities:

- Built and maintained features across both monolithic and microservice architectures using Spring-based technologies, with a strong focus on reliable REST API development and data persistence
- Implemented unit and integration tests using JUnit, Mockito, and Spring Boot Test, integrating them into Jenkins and Sonar pipelines and maintaining code coverage of 85% and above
- Automated development workflows with shell scripts to speed up environment setup and routine tasks, and supported deployment processes through Docker configuration
- Contributed to frontend development using React enhancing user interfaces, creating new functionality and ensuring seamless integration
- Worked with product managers and business analysts throughout the Software Development Life Cycle (SDLC) to gather requirements and develop user specifications

#### Technologies and Methodologies:

- Java, Java EE, JPA, JDBC, Hibernate, Spring, Spring Boot, Spring Data JPA, JUnit, Mockito, JavaScript, React, Scrum, Docker, Jenkins, Sonar, Liquibase, OpenAPI, Swagger, UML, VisualVM

### PLYMOUTH FAMILY MESSAGE – PLYMOUTH, UNITED STATES

**SOFTWARE DEVELOPER** – AUG 2020 – MAY 2021

- Worked on a full-stack message booking web application with Node.js, Express, and MongoDB, using EJS templating engine for dynamic page rendering, Bootstrap, and CSS
- Implemented key features such as CRUD functionality, user authentication, and dynamic form validation, while also integrating third-party services like Google Maps for enhanced user interaction
- Gained hands-on experience with web development best practices such as MVC architecture, middleware, database design, secure session management, route protection, and error handling

- Created customized Linux distributions using Yocto, allowing them to be small in storage size to reduce the cost of hardware components
- Deployed the distributions on Raspberry Pi and encrypted them using LUKS
- Developed Python scripts to automate tasks and executables

## ● **SKILLS**

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### **Programming Languages:**

Java | Go | JavaScript | Python

### **Technologies and Frameworks:**

Bash | Bootstrap | Docker | Express | Gin | Git | Github | Hibernate (ORM) | Jenkins | JUnit | Linux | Mockito | MongoDB | Mongoose (ODM) | MySQL | Next.js | NodeJS | NoSQL | OpenAPI | PostgreSQL | React | Rest API | Shell Scripting | Spring Boot | Spring Data | Spring Framework | Spring Security | SQL (RDBMS) | SQLite | Swagger | SonarQube | VisualVM | VMWare | VirtualBox

### **Design and Development Practices:**

Agile (Scrum) | Automation | Functional Programming | Object-Oriented Programming (OOP) | OWASP Top 10 | Pair Programming | Test-Driven Development | UML | Virtualization