MINA BOKTOR

Software Developer

Email: mina.maged.pe@gmail.com
Phone: +201069275882
LinkedIn: linkedin.com/in/minaboktor1/
GitHub: github.com/MinaBoktor

PROFESSIONAL SUMMARY

Passionate and detail-oriented Junior Software Developer with a dual Computer Science degree specializing in Artificial Intelligence. Demonstrated expertise in full-stack web development, software quality assurance, and test automation with over 200 hours of professional testing training. Proven track record of delivering high-quality software solutions through comprehensive testing methodologies, modern web technologies, and agile development practices. Seeking to leverage strong technical foundation and problem-solving skills in a challenging software development role.

Core Competencies: Full-Stack Development • Software Testing & QA • Test Automation • API Testing • React.js Development • Python Programming • Agile Methodologies • UI/UX Design

EDUCATION

Bachelor of Science in Computer Science | *Artificial Intelligence Department*
Ain Shams University
Cairo, Egypt | October 2023 – Present

Bachelor of Science in Computer Science | *Artificial Intelligence Department*
East London University
London, UK | October 2023 – Present

Academic Focus: Machine Learning, Data Structures & Algorithms, Software Engineering, Database Management, Object-Oriented Programming, AI Model Development

PROFESSIONAL EXPERIENCE

Freelance Web Developer | Shopify
Remote Position | Jul 2025 – Aug 2025 | 2 months

E-commerce Development Specialist responsible for redesigning and maintaining Shopify e-commerce platforms with focus on user experience optimization and performance enhancement

- **Custom Theme Development:** Leveraged Shopify's Liquid template language to create and modify website layouts, sections, and blocks, developing custom features that enhanced user engagement and conversion rates

- **Responsive Design Implementation:** Utilized advanced CSS techniques to ensure seamless cross-device compatibility, resulting in improved mobile user experience and adherence to brand guidelines

- **Performance Optimization:** Managed theme files and implemented efficient design changes without disrupting live site operations

- **Technical Problem Solving:** Identified and resolved design-related bugs and functionality issues, maintaining website stability and optimal performance

Technologies: Liquid, HTML5, CSS3, Shopify Platform, Responsive Web Design

Software Quality Assurance Intern | Career 180
Hybrid Position | Sep 2024 – Dec 2024 | 4 months

Completed intensive 200-hour software testing training program, achieving ISTQB Foundation Level and Agile Testing certifications

- **Test Case Development:** Designed and executed detailed manual test cases for web and mobile applications, ensuring comprehensive coverage of functional and non-functional requirements

- **API Testing Expertise:** Performed thorough API testing using Postman, validating data integrity, response times, and error handling across multiple endpoints

- **Test Automation Implementation:** Developed automated test scripts using Selenium WebDriver, reducing manual testing time by 40% while improving test accuracy

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- **Quality Assurance Leadership:** Led testing efforts for GoBus Android application, including comprehensive test case creation and detailed bug reporting

Meta Front-End Web Developer | Meta Professional Certificate
Remote Position | Sep 2023 – Nov 2023 | 3 months

- **Advanced React Development:** Built dynamic, responsive web applications using React.js framework, implementing state management, component lifecycle, and modern hooks for optimal performance
- **UI/UX Design Integration:** Applied professional UI/UX design principles using Figma for wireframing and prototyping, creating user-centered designs
- **Portfolio Development:** Created comprehensive web application showcasing advanced front-end development skills with clean, maintainable code

Technologies: React.js, JavaScript ES6+, HTML5, CSS3, Figma

Computer Science Student | Harvard University Internship
Remote Position | Jun 2021 – Aug 2021 | 3 months

- **CS50 Program Excellence:** Successfully completed Harvard's renowned CS50 Introduction to Computer Science course, developing strong foundation in algorithmic thinking
- **Full-Stack Project Development:** Designed and built comprehensive online quiz application demonstrating end-to-end development capabilities
- **Technical Implementation:** Created frontend using HTML5, CSS3, and JavaScript; developed backend using Python Flask framework with secure authentication

TECHNICAL PROJECTS

Apex Equity Financial Platform
Live Demo: apexequity.netlify.app | GitHub: github.com/MinaBoktor/Apex-Equity.git
Role: Full-Stack Developer & UI/UX Designer

Developed comprehensive financial services platform providing investment solutions and market analysis tools for modern investors.

- **Frontend Architecture:** Built responsive, mobile-first interface using React.js with modern hooks, context API for state management, and component-based architecture
- **Design System:** Created cohesive visual identity with custom CSS modules, implementing professional color schemes and intuitive navigation patterns
- **Performance Optimization:** Implemented lazy loading, code splitting, and optimized asset delivery resulting in fast load times

Technologies: React.js, JavaScript ES6+, HTML5, CSS3, Netlify Deployment, Git Version Control

Harvard CS50 Online Quiz Platform
GitHub: github.com/MinaBoktor/Harvard-CS50-Final-Project.git
Role: Full-Stack Developer & System Architect

Comprehensive educational platform enabling educators to create, manage, and distribute interactive quizzes with real-time analytics.

- **Frontend Development:** Crafted intuitive user interface using semantic HTML5, advanced CSS3 animations, and vanilla JavaScript
- **Backend Infrastructure:** Developed robust Python Flask application with RESTful API design, secure authentication, and session management

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- **Database Design:** Implemented relational database schema supporting user management, quiz creation, and comprehensive analytics

Technologies: Python Flask, SQLite Database, HTML5, CSS3, JavaScript, Git Version Control

GoBus Mobile Application Testing Suite

Role: Lead QA Engineer & Test Automation Developer

Comprehensive quality assurance initiative for Android mobile application serving thousands of transportation service users.

- **Testing Strategy:** Developed extensive test case library covering functional, usability, compatibility, and performance testing scenarios
- **Bug Management:** Identified, documented, and tracked critical bugs using professional reporting standards with detailed reproduction steps
- **Quality Impact:** Successfully identified and resolved 25+ critical bugs before production release, improving user satisfaction

CERTIFICATIONS & TRAINING

ISTQB Foundation Level Certification | Career 180 | *2024*
Comprehensive software testing fundamentals and industry best practices

Agile Testing Certification | Career 180 | *2024*
Advanced agile methodologies and continuous testing in DevOps environments

Meta Front-End Developer Professional Certificate | Coursera | *2023*
HTML/CSS Advanced Techniques, JavaScript Programming, React.js Development, UI/UX Design Principles

CS50's Introduction to Computer Science | Harvard University | *2021*
Algorithmic Thinking, Data Structures, Problem-Solving Methodologies, Abstraction and Encapsulation

Introduction to Software Engineering | IBM | *2024*
Software Development Lifecycle, Application Architecture Design, Industry Best Practices

IELTS Academic Score: 6.5 | *September 2024*
Demonstrated proficiency in English for international academic and professional environments

TECHNICAL SKILLS

Programming Languages

Python: Advanced proficiency in Flask framework, data structures, algorithms, and automation scripting
JavaScript: Expert-level ES6+ development, DOM manipulation, asynchronous programming
HTML5/CSS3: Semantic markup, advanced CSS Grid/Flexbox, animations, responsive design
Liquid: Shopify template development and customization

Frameworks & Technologies

React.js: Component architecture, hooks, state management, routing, performance optimization
Flask: RESTful API development, database integration, authentication
Node.js: Package management, build tools, development workflow optimization

Testing & Quality Assurance

Manual Testing: Test case design, execution, regression testing, usability testing
Test Automation: Selenium WebDriver, automated script development
API Testing: Postman expertise, endpoint validation, data integrity testing
Bug Management: Detailed reporting, severity assessment, lifecycle tracking

Development Tools & Platforms

Version Control: Git/GitHub for collaborative development
Cloud Platforms: Netlify deployment, hosting optimization

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E-commerce: Shopify development, theme customization
Design Tools: Figma for UI/UX design, wireframing, prototyping
Database: SQLite, relational database modeling, query optimization

ADDITIONAL QUALIFICATIONS

Languages

Arabic: Native proficiency
English: Professional working proficiency (IELTS 6.5)

Professional Skills

Microsoft Office Suite (Advanced) • Project Management • Statistical Analysis • Negotiation • Leadership & Team Collaboration

Personal Interests

Business & Finance: Extensive reading in business strategy and financial markets
Chess: Competitive player ranked at 1700 points (97.9th percentile), demonstrating strategic thinking and analytical problem-solving

Key Achievements

Dual Computer Science degrees • Multiple industry certifications from Meta, IBM, Google, Harvard • Active open source contributor • International remote work experience

References and detailed project demonstrations available upon request