Ayham Klaani

computer science

Full-Stack Developer and AI Engineer with 3+ years building enterprise-grade Angular & Java applications at BMC Software. Strong focus on automation, AI-driven tooling, and scalable product development. I build systems that reduce manual work, improve performance, and ship real customer value. Experienced across frontend, backend, CI/CD, and AI automation (MCP, RAG, multi-agent systems).

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Date of birth: 1998
Nationality: israel

Experience

Apr 2021 - Jul 2021

C Language Tutor
Tel-Hai College

- Assisted students with understanding core concepts of the C programming language.
- Developed teaching materials and facilitated coding exercises to help students build a solid foundation in programming.

May 2022 - Sep 2023

Product Developer Intern (Student)
BMC Software

- Contributed to full-stack web development projects, collaborating with senior developers to deliver new product features on time and at production quality.
- Used Git, automation tools, and debugging frameworks to enhance code quality and streamline team workflows.
- Refactored and upgraded Angular applications across major versions, improving maintainability and performance while aligning with updated framework standards.
- Fixed high-priority frontend and backend defects in TypeScript and Java, improving overall product stability and responsiveness.
- Gained a strong understanding of product delivery cycles, helping bridge the gap between technical execution and business objectives.
- Designed and managed CI/CD pipelines that built and tested complete applications end-to-end, gaining hands-on experience with automated build, test, and deployment workflows.

Sep 2023 - Present

Product Developer
BMC Software

- Designed, built, and optimized full-stack web applications using Angular, Java (REST APIs), and modern development tools to meet enterprise-level performance standards.
- Delivered scalable features for both On-Prem and SaaS environments, adapting architectures for different customer deployment models.
- Designed and maintained RESTful Java APIs, improving system reliability and ensuring seamless integration across modules.
- Increased automated test coverage using the Robot Framework, reducing manual QA efforts and catching defects earlier in the release cycle.
- Led technical Webex sessions with customers, reproducing problems, analyzing logs, and delivering actionable solutions.
- Participated in major code refactoring initiatives, improving architecture consistency, readability, and long-term maintainability.
- Explored and integrated Model Context Protocol (MCP) servers into development workflows to enable AI-driven automation and tooling.
- Collaborated on building Retrieval-Augmented Generation (RAG) knowledge bases to improve AI agents' understanding of code and enhance response accuracy

Education

Oct 2019 - Aug 2023

B.Sc. in Computer Science
Tel-Hai Collage Israel

Specialization: Software Development

Academic Project:

- Built a full-stack student housing web platform (Angular, NoSQL, Node.js) with authentication and search features.
- Developed a computer vision system using Python and OpenCV to detect and count people in real time.

Languages

Arabic
Native

English
Advanced

Hebrew
Advanced

Skills

Team Collaboration	Adaptability	Continuous Learning	Web Development
Typescript	Java	API's	

Projects

Forecast Domain Development: Designed and implemented core forecasting features used by enterprise clients, handling both frontend (Angular) and backend (Java REST) logic.

AI-powered Test Generator: Built a multi-agent system that automatically generates Playwright test specs, increasing coverage and cutting manual scripting time.

CI/CD Monitoring Dashboard: Developed a Kibana-based dashboard to monitor Jenkins pipelines, improving visibility into deployment performance.