

Ilker Hadzhalaran

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ilker-h.com | github.com/ilker-h | linkedin.com/in/ilkerhadzhalaran

Skills

Frontend

Angular, WPF (.NET), JavaScript, TypeScript, HTML, CSS, RxJS, Bootstrap, Jasmine/Karma, XAML

Backend

C#, C++, ASP.NET Core (Entity Framework, Java, Spring Boot, NodeJS, Firebase, Python, PHP

Database

MongoDB (& Mongoose), MySQL, PostgreSQL, MS SQL Server, Firebase Firestore

DevOps & CI/CD

Jenkins, OpenShift, IBM uDeploy, TeamCity, Artifactory, Docker, SonarQube, Snyk, Black Duck, Shell Scripting, YAML, Azure

Tools

Visual Studio, VS Code, NPM, NuGet, Git, GitHub, Atlassian Suite, Postman, Chrome DevTools, phpMyAdmin

Education

McMaster University
Bachelor of Technology in
Automation Engineering (Co-op)
Graduated Dec, 2020 | Hamilton, ON

Co-op Work Completed

28 Months Full-time at 4 Companies

Included

Certificate in Business Management

Experience

Software Developer (Full-time) • Citigroup

Manager Testimonial

Velocity Team | Jul, 2022 – May, 2024 (1 yr 11 mo) | Mississauga, ON

- Worked on sizeable enterprise codebase (310k+ lines) for a trading platform. Used Angular, WPF (C#, XAML, .NET), Caplin Liberator.
- Work included building new features (e.g., migrating legacy screens from WPF to Angular, creating UI components, updating trading calculations, AG Grid customizations), fixing bugs & debugging data flow issues, reducing technical debt, developing unit tests, and more.
- Led releases to production using TeamCity, IBM uDeploy, Jenkins and OpenShift. Coordinated with teams globally (e.g., QA, Support, BA, Development, Change Management, and more).
- Resolved time-sensitive issues, such as users' Support queries, production issues, dependency vulnerabilities, etc.

OneBook Team | Jul, 2021 – Jun, 2022 (1 yr) | Mississauga, ON

- Worked on a new book building platform using Angular, wrote tests in Jasmine/Karma, and interacted with data using Java/Spring Boot and MongoDB.
- Major Project: Created 2900+ line Angular feature to streamline process of updating user permissions. Business users can now use a GUI instead of having to ask developers to update data manually.
- Joined the team a few months before their first software release and completed 50+ improvements and bug fixes.

Software Developer Intern (4 months) • McMaster Manufacturing Research Institute

Manager Testimonial

May – Aug, 2020 | Hamilton, ON | See result at: vimeo.com/450177340

- Created data visualization, analytics, and test software for FANUC manufacturing machines in a Windows environment.
- Developed with MongoDB, ExpressJS, Angular, NodeJS (MEAN stack), FANUC's MT-Linki API, and third-party libraries.
- Designed app architecture, used Atlassian Suite workflows, and performed DevOps duties, including managing deployments.

Software Developer Intern (8 months) • Advanced Particle Tech.

Jan – Aug, 2019 | Waterloo, ON

- Worked on developing a web app for helping users manage different versions of their 3D model files. Used MongoDB, ExpressJS, Angular, NodeJS (MEAN stack) in a Linux environment.
- Worked with third-party libraries to create features (e.g., PDF viewer).
- Contributed to various types of documentation (e.g., SRS document).

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Education (Continued)

Relevant University Courses

Object-Oriented Programming,
Internet Technologies & Databases,
Quality Control and Assurance,
System Specification & Design,
C++ Programming, Artificial
Intelligence & Machine Learning

Additional Skills

Architecture &

Codebase Management

REST API, State Management,
MVC, MVVM, Dependency
Management, Authentication,
Data Structures & Algorithms

Software Design, Diagrams & Requirements Analysis

Figma & InVision Mockups,
Enterprise Architect design tool,
SRS Documentation, project
requirements, cost estimation,
UML Diagrams (e.g., Use Case,
Activity, Sequence, Affinity,
Class, State Machine, etc.)

Libraries

AG Grid, SignalR/websockets,
PDF Viewer, Cron Jobs,
Nodemailer, dotenv, Pkg

Machine Learning

TensorFlow, Keras, NumPy,
pandas, scikit-learn, Matplotlib,
Conda, Anaconda Navigator,
Jupyter Notebook, MATLAB

Other

Linux & Windows Environments,
Unity Game Engine,
3D Modelling
(AutoCAD, SolidWorks),
WordPress Website Design

Experience (Continued)

Product Development Intern (4 + 8 months) • 3Dstream Inc

May – Aug, 2017 and Jan – Aug, 2018 | Hamilton, ON | [Testimonial](#)

- Completed UI/UX design (Figma and InVision) for parts of a workflow management software for manufacturers that use 3D printers.
- Worked on HTML/CSS with frontend team.
- Turned customers' needs into software specifications.
- Created WordPress website and made HTML/CSS modifications.

Personal Projects

QuickPass Password Manager | vimeo.com/381806818

- Designed and developed a fully responsive Angular-Firebase web app that helps a user manage their passwords.

MentorConnect: Networking App | vimeo.com/957525974

- Built a web app for career development and networking that helps connect mentors and mentees.
- Made with Angular, ASP.NET, MS SQL Server, and MS Azure.

Portfolio Manager (Hackathon) | vimeo.com/593492344

- Created an Angular-Spring Boot app that helps a user manage their financial portfolio, with real-time data from Yahoo Finance API.

Capstone Project: Virtual Reality (VR) Tour of a University Lab | vimeo.com/495898892

- An app that lets the user explore the equipment and machines in McMaster University's Learning Factory in a 3D environment.
- Made with Unity game engine, Angular and Firebase.

9 University Software Assignments | vimeo.com/415729502

- A showcase of 9 different programming assignments I completed in university. These were individual assignments, not group work.
- Made with PHP, MySQL, HTML, and CSS.

View all 14 projects at: ilker-h.com/#projects

Video walkthroughs of projects: vimeo.com/channels/1525169

Online Courses & Certificates

- **Citigroup: Engineering Level 1 Technical Certification** (20 hr)
 - Topics: cloud architecture, Docker and internal DevOps tools
- **ASP.NET Core & Angular** by Neil Cummings (35 hr) – [Certificate](#)
- **Angular** by Maximilian Schwarzmüller (28 hr) – [Certificate](#)
- **MEAN Stack (MongoDB, ExpressJS, Angular, NodeJS)** by Maximilian Schwarzmüller (12.5 hr) – [Certificate](#)
- **WPF** by Mark Watkins (13 hr) – [Certificate](#)