Amin NOROLLAH
Full-Stack developer

Experienced full-stack developer proficient in a variety of back-end and front-end technologies. Skilled in Node.js and related frameworks for back-end development, as well as .NET Core. Adept in JavaScript-based frameworks such as Angular and React for front-end development. Expert in testing methodologies, including Robot Test and K6 for integration, load and stress testing of back-end systems, and Cypress for end-to-end testing of front-end components. Specializes in API development, code testing, and optimization for web application functionality. Passionate about full-stack development and eager to contribute to challenging projects as a full-stack engineer.

WORK EXPERIENCE

Aug 2023
Current

Title: Software developer at FocalPay co.   *focalpay.se*
*Technology: **ExpressJS** back-end service for designing 3th party services, **Cypress** for automation front-end test, **Robot test framework** for integration tests*

Cashier: In this project, my primary focus was on enhancing the performance of the existing Vue.JS front-end application. Also, I took the responsibility of implementing Cypress codes to enable automated testing for both end-to-end (E2E) and component-based test scenarios.

Robot test: My responsibility was to develop the structure of a robot testing project. This involved utilizing and implementing temporary services using a Docker-in-Docker approach. also, I was tasked with writing the test case code in order to enhance the speed of test writing with test team.

Centra 3th-party service: The idea behind the project I developed was to create a service that would make it easy and safe for Centra and other e-commerce platforms to connect to FocalPay, and vice versa.

May 2023
Oct 2023

Title: Back-end developer at Mofid Securities   *mofidonline.com*
*Technology: **.Net 6 and .Net7** for back-end*

Mofid Online: As a back-end developer, I was employed with the Mofid Online team. The main challenge I encountered was managing an exceptionally high volume of backend requests, **approximately 30 million request per hour**. Consequently, my primary tasks revolved around optimizing our API, utilizing asynchronous functions appropriately, identifying and eliminating zombie threads, enhancing code quality, and redesigning the APIs for the updated versions of the "Online Plus" and "Hamrah Plus" applications.

Sep 2022
May 2023

Title: Full-stack developer and front-end team lead at Cntxts inc.   *vicinia.io*
*Technologies: **ExpressJS** for back-end and **Angular 16** for front-end*

Vicinia: I was responsible for designing a suite of applications called Vicinia, which focused on an indoor mapping solution to help customers manage their resources and routing options on a map.

I have been involved in developing a main back-end project, a TypeScript-based map library project, and two front-end applications. For the front-end projects, I **led the front-end team**, providing technical assistance to each developer and conducting regular code reviews.

Apr 2022
May 2023

Title: .Net Back-end developer at SarveenTech co.   *smartcattle.net*
*Technologies: **.Net 6** for back-end and **Angular 12** for front-end*

SmartCattle: I have developed a secure and dependable identity server which is based on **IdentityServer4** and **Skoruba Identity Server** Admin. Furthermore, my duties include improving and maintaining the their .Net 6 back-end APIs, optimizing the load time of their microservices and their RabbitMq usage, creating new APIs, and reviewing the front-end project codes.

Jan 2019
Apr 2022

Graduated researcher at Iran University of Science and Technology in collaboration with the Université Grenoble Alpes in France, resulting in 13 publications in ISI-indexed journals and conference proceedings.

Oct 2020
Feb 2023

Title: Team lead and full-stack developer at Fara-control I.P co.   *faracontrol-ip.com*
*Technologies: **.Net 6** for back-end and **Angular and ReactJS** for front-end*

FaraWAMS: Our team was tasked to develop an industrial platform to monitor and control WAMS and SCADA systems, which are power grid network applications. We created a high-performance, real-time platform capable of processing large amounts of data.

Simpal v1, and Simpal v2: The objective of these projects is to create multi-level software using **.Net core and framework** technologies for monitoring electrical and distribution substations. As a member of the software team, my focus is on developing the user interface. Our team designed user-friendly modules with real-time charts and computation components.

Jan 2021
Nov 2021

Title: Freelance Software Developer

FNN: Global stock market analysis software using **deep learning-based approach** and with the ability to instantly analyze more than 30 different markets and provide the necessary solutions to increase productivity in each market. The technology used in this project was **CNTK, WPF, SQLite** and **.net core 3.1**.

Restaurant Management System: In this project, a local management system was developed via **AngularJS, React Native, NodeJS, ExpressJS,** and **MongoDB** in order to cope with customer orders, manage warehouse, and analyze store performance.

Mar 2019
Jun 2021
Title: Software developer at NikAva co.
*Technologies: **WPF** and **C++***

Neuro20EP: As a software developer, I created a sophisticated health-care application for Windows operating systems. The software is capable of receiving converted analog brain signals from eight input channels and processing and analyzing the data to provide neurologists with key indicators to aid in the diagnosis of abnormalities. The application was designed to be highly accurate, reliable, and efficient in processing large amounts of complex data. The technology of most of these projects are **C++** and **C#** (WPF) languages and **.Net 4.7 framework**.

Jan 2012
Sep 2016
Title: Computer Engineer at Ultrasonic co.   *Topsonics.com*

Topsonics, Top 3D printer: Participating in the project of designing a graphical interface for an ultrasonic homogenizer device, designing a 3D printer software interface, and WordPress website development are among my activities in this company.

MY OPEN-SOURCE PROJECTS

---

1. JS-code   Collection of my vanilla JS projects,
    https://amin-norollah.github.io/JS-code/

2. CSite back-end   Educational .Net 6 back-end project using cutting edge technologies
    https://github.com/amin-norollah/CSite_Backend_dotNet6

3. CSite front-end Educational Angular front-end project (under construct)
    https://github.com/amin-norollah/CSite_angular

4. Pinkie   Social media Angular front-end project (under construct)
    https://github.com/amin-norollah/pinkie

5. PAT-Noxim   Cycle Accurate Network-on-Chip (NoC) Simulator,
    https://github.com/amin-norollah/PAT-Noxim

6. RTHS   Hardware Description of Real Time Hardware Sorter,
    https://github.com/amin-norollah/RTHS

7. SAFAS   Secure And FAst hardware Scheduler,
    https://github.com/amin-norollah/SAFAS

Please contact me if you need access to the full version of my resume
a.norollah.official@gmail.com