

Contact

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📍 Waterloo, Ontario, Canada

Skills

Programming Languages & Code Skills

Node.js Python C/C++ HTML/CSS

Java Script Type Script

Frameworks & Libraries

Express.js Next.js React.js Fastify

Bootstrap Tailwind Django

Database Management

SQL (Postgresql) NoSQL (MongoDB, Redis)

Technical Proficiency

REST GraphQL Docker AWS Azure

Kafka Git

Soft Skills

Team Leadership Problem Solving

Time Management Creativity

Communication Adaptability

Education

Master of Applied Science

University of Toronto

📍 Toronto, ON, Canada 📅 2017 - 2020

Bachelor of Science

University of Tehran

📍 Tehran, Iran 📅 2012 - 2017

Honours & Awards

- The only company-wide engineer who received Stand Out Performer (2023)
- Research Fellowship for International Students (2017 - 2020)
- Edward S. Rogers Sr. ECE Fellowship (2017 - 2019)
- Received the best national award as the President of ECE scientific association and the Vice Chair of IEEE student branch (2016 & 2017)

Kasra Madayeni

Lead Software Engineer

Experienced software engineer with over 7 years of expertise spanning full-stack development and team leadership, specializing in backend architecture, design, and API enhancement. Spearheaded pivotal projects and led cross-functional teams. Full ownership and accountability in the entire project lifecycle, from concept to deployment, with a track record of securing major contracts and driving team success.

Experience

Lead Software Engineer

🏢 Viral Nation

📍 Toronto, ON, Canada

📅 Jan 2022 - Present

- Led a diverse team of 10+ engineers to develop and deploy a state-of-the-art social media screening solution, facilitating processing of 50K+ daily images and videos
- Leveraged Node.js for backend operations, ensuring security, scalability and efficiency, meeting demanding processing needs with a robust infrastructure to support 100K+ weekly requests
- Utilized Kafka queues and Python Django framework for seamless data handling, crucial for managing extensive data volumes, achieving and exceeding project goals effectively by processing 5K+ daily transactions
- Designed and implemented SaaS APIs and provided dedicated engineering support during client interactions, pivotal in securing a multi-million dollar contract and earning recognition as the Stand Out Performer

Full Stack Developer

🏢 Freelance

📍 Remote

📅 Feb 2020 - Sep 2021

- Designed and developed 12 portfolio websites and landing pages for clients, resulting in a notable 50% increase in online visibility, enhanced brand recognition, and a surge of client interaction
- Contributed to 6 full stack projects, which improved my technical knowledge and teamwork skills, reduced bugs by 50%, and improved efficiency by 33%
- Received 100% client satisfaction and increased the value and exposure of their business by at least 10%

Research and Teaching Assistant

🏢 University of Toronto

📍 Toronto, ON, Canada

📅 Sep 2017 - Jan 2020

- Developed and executed a few algorithms to improve an engineering challenge related to localization of moving objects, led to 30% more accuracy
- Used AI and Machine Learning techniques to simulate and prove the correctness and efficiency of the solution and documented the results as my Master's thesis
- Assisted more than 1,000 students on Computer Science concepts such as Data Structures and Algorithms, resulted in 40% increase in their grades

Computer Science Tutor

🏢 Chegg

📍 Remote

📅 Jan 2018 - Jan 2020

- Taught essential Computer Science concepts and major programming languages such as Java, Python and C++ to over 150 students, resulted in 30% increase in their grades and 100% satisfaction

Projects & Volunteer Experience

- Full stack blog application using React.js, MongoDB, Node.js, Express.js, GraphQL
- Full stack e-commerce app using Postgresql, Next.js, Node.js, Fastify, REST API
- Sorting Visualizer using Vanilla Type Script
- Vice Chair of IEEE student branch
- President of ECE scientific association
- IEEE conference paper publication: Fairness Analysis of MAC Protocols in MIMO Networks using Stochastic Geometry