SHERVIN KHASTOO

Software Engineer

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Canadian Citizen

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EXPERIENCE

Senior Software Engineer Google

Apr 2022 - Present

- Lead a team of 8 as the technical lead to design and implement a new multi-tenant mode of operation for GKE enabling up to 20x faster workload startup time and cost savings up to 95%.
- Made GKE work on Trusted Partner Cloud (TPC) for the first time enabling it to operate under strict sovereignty requirements in Europe opening up a \$10 billion total addressable market.
- Created a managed GKE API supporting workload distribution across multiple Kubernetes clusters for Google's internal (1P) services allowing them to easily onboard to GKE.
- Attended oncall rotations to handle customer and technical issues for Google Kubernetes Engine (GKE).

Senior Software Engineer II/Lead

HomeX

- **Sep 2020 Apr 2022**
- Led a team of 4 on implementing a modern B2B integration with the ServiceTitan FSM (the main revenue source of the company).
- Built an internal status dashboard service to monitor the health of microservices in real-time with support for alerting.
- Led a team of 5 on a modernization effort for backend microservices (switchover of Typescript frameworks, integrating new deployment pipelines and modern logging/monitoring tools).

Senior Software Engineer

Cafebazaar

- **i** Jun 2015 Aug 2018
- Engineered a highly-scalable C2C chat service for Divar product using Elixir and Cassandra handling 500,000 daily messages.
- Built the frontend (PWA) of a C2C chat service using React.js.
- Implemented new features (ad types, payment methods, tax calculations) in Django for Adad mobile advertising network.

PUBLICATIONS

Conference Proceedings

Khastoo, S., Brecht, T., & Abedi, A. (2020). NeuRA: Using Neural Networks to Improve WiFi Rate Adaptation. In M. Aguilar-Igartua, P. Bellavista, A. A. F. Loureiro, & C. Giannelli (Eds.), MSWiM '20: 23rd International ACM Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems, Alicante, Spain, November 16-20, 2020 (pp. 161–170). doi:10.1145/3416010.3423217

AWARDS



EDUCATION

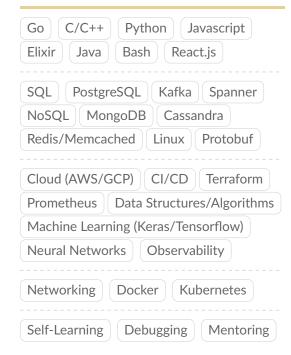
M.Sc. in Computer Science University of Waterloo

Thesis: Using Neural Networks to Improve WiFi Rate Adaptation.
Area: Systems and Networks.

B.Sc. in Computer Engineering Sharif University of Technology

Area: Software Engineering.

SKILLS



PROJECTS

Cryptocurrency Trader AI

Algorithmic trader based on a neural net.

WiFi Traffic Classifier

Classify traffic and mobility using LSTM.

₩ Home Router (Raspberry Pi)

Split-tunnel VPN router with touch screen.

SMS Emailer (Arduino)

Forward cellular SMS messages as an email.