Frank Bagherzadeh

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Skills

Languages
- Go, Python, C, C++, Java, Bash, SQL, C#, TypeScript/JavaScript, PHP, Assembly

Frameworks/Libraries
- Node.js, React, Angular, Django, Pandas, TensorFlow, Libsodium, OpenSSL, OpenCV

Tools/Services
- GCP, Kubernetes, Docker, Terraform, Redis, Istio, Git, Travis/Gitlab CI, GNU/Linux

Work Experience

Software Engineer (Infrastructure) *Tulip Retail Inc.* **Toronto, Ontario**   September 2019 - Present
- Building and maintaining Tulip's infrastructure services, High Performance REST/GRPC API, designed in Go.
- Current project owner for receipt management service and helped to increase performance by 80%.
- Responsible for maintaining Kubernetes clusters and tenants on GCP using Terraform and Gitlab's CI/CD.
- Developed tools for Customer Support department to speed up their workflow and eliminate technical challenges.

Software Engineer Intern (Core Platform) *Geotab Inc.* **Oakville, Ontario**   May 2019 - September 2019
- Developed and maintained multi-threaded software using .NET Core and Postgres for high-volume GPS data.
- Optimised memory utilisation and multi-threaded error handling, leading to performance increase by 200%.
- Queried and analysed server performance and statistics using BigQuery and Grafana for debugging purposes.

Owner and Operator *Alu-Ref Technology Ltd.* **Toronto, Ontario**   August 2017 - Present
- Fulfilling B2B contracts by fixing phones and computers with software/hardware issues on a weekly basis.
- Developed an app for incoming/outgoing devices and inventory management using Go and React.
- Developed and implemented a scheduler and increased refurbishment pipeline flow by 150%.

Projects

cv-cli *Go, Postgres, GRPC, React*   May 2020
- Developed an extensible resume builder based on 'jsonResume' schema using Go, Postgres and latex template.
- Full API support with data storage and on-the-fly resume generation. (This resume was created by *cv-cli*)

Voter.io *Go, Kubernetes, Libsodium, React*   September 2019 - October 2019
- Created a fully encrypted and anonymous voting platform that stores signed voting data similar to a blockchain.
- Developed a UI using React to read voter QR codes, take votes and streamed live results with a millisecond delay.

Education

B.Sc. Hon. Computer Science *Ryerson University*   September 2017 - December 2020
- Deans List for 3 consecutive years (2017-2019), 3.8/4 GPA, Entrance Scholarship valued $2000.
- Relevant Coursework: Data Structures and Advanced Algorithms, Computer Vision, Software Engineering, Advanced Database Systems, and Artificial Intelligence.