Mohammad Ganji

Linkedin: https://www.linkedin.com/in/mohganji
Github: https://github.com/mohganji
Stack Overflow: mo-ganji (+1000 reputation)

Email : mohganji97@gmail.com
Website: m.ganji.blog
Mobile : +1-778-957-5657
Address: Burnaby, CA

EXPERIENCE

Simon Fraser University   Burnaby, CA
Research and Teaching Assistant   *Sep 2020 - Dec 2022 (2 years)*
- Submitted a first author research paper on testing and debugging asynchronous programs.
- Integrated our approach into a VSCode extension which improved users' accuracy of testing async JavaScript apps by 28%.
- Designed and conducted two controlled user studies.
- Teaching Assistant for CMPT 276(Software Engineering, 3 terms) and CMPT 120(Intro to computer programming, once).

SFU CSIL Exam Scheduler   Burnaby, CA
Software Developer - Contract Job   *Jun 2021 - Sep 2021 (4 months)*
- Responsible for software development of a web-based platform to automate scheduling in-lab testing at SFU CSIL labs.

Yektanet   Tehran, IR
Software Engineer (Product Engineer)   *Dec 2019 - Dec 2020 (1 year)*
- Scaled, redesigned, and refactored push microservice from 5M to 100M daily push notifications and 15x revenue in 1 year.
- Optimized databases (100M+ records, 20+ tables in PostgreSQL) and data pipelines. Reduced average query time by 80%.
- Responsible for product management, launch, and release of CPC push advertisement, producing 30% revenue growth.
- Set up log management pipelines using ELK stack (Elasticsearch, Logstash, Kibana).
- Managed and maintained server monitoring dashboards using Grafana.
- Representative for cross-team and external communication with development, sales, and product teams.
- Interviewed 5 applicants, mentored 3 interns, reviewed 100+ resumes and 100+ technical tasks.

Pheebs   Tehran, IR
Full Stack Software Developer   *Sep 2017 - Nov 2019 (2 years)*
- Implemented backend services for Chizz (120k+ monthly active users) and Episode (20k+ users) mobile apps from scratch.
- Developed admin panel, landing page, and web views for two mobile applications.
- Designed databases and caching using MongoDB, Mongoose, and Redis. (30+ collections)
- Automated Deployment for Episode using Docker, CI/CD, and Nginx on Linux servers.
- Set up data analysis dashboards using Metabase.
- Coached one entry-level backend developer.

EDUCATION

Simon Fraser University   Burnaby, CA
Thesis based Masters in Computer Science; GPA: 3.89   *Sep 2020 - Dec 2022 (expected)*

University of Tehran   Tehran, IR
Bachelor of Computer Science; GPA: 3.40   *Sep 2015 - May 2020*

PROJECTS

Blogfrog.xyz   Burnaby, CA
A website to discover new random blog posts on the internet.   *Jul 2022*

m.ganji.blog   Burnaby, CA
My personal website   *Mar 2022*

SchemaIran Telegram Bot - Freelance Project   Tehran, IR
Developed a Telegram bot for Schemairan clinic to conduct YSQ tests online. Collected 10k+ test results.   *Mar 2022*

SKILLS

- **Languages**: Python, JavaScript, TypeScript, SQL, Java, C++, Bash, LaTeX
- **Frameworks**: Node.js/Express.js, React.js, Django, Mongoose, GraphQL
- **Databases**: Relational Databases: PostgreSQL, MySQL, Non-relational Databases: MongoDB, Redis, RabbitMQ
- **Software Knowledge**: Object Oriented Design (OOD), Design Patterns, Distributed Systems, Test-Driven Development (TDD), Data Structures, Algorithms, RESTful API Development, Web development
- **Tools**: Docker, Git, CI/CD, Nginx, ElasticSearch, Logstash, Kibana, Sentry, Grafana, HTML/CSS, JQuery, Figma, Metabase
- **Cloud Infrastructure**: Linux server administration, Amazon AWS, Web Hosting and VPS services
- **Testing**: Unit, integration and end-to-end testing, Mocha, Jest, Tap, JUnit
- **Teamwork**: Agile, Scrum, Kanban, Trello, Notion, Pair Programming, Tech Blogs, Mentoring, Tech Interviews, Documentation