Pedram Soofi
Software Engineer | Lecturer

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Work Experience

- **Open-Source Software Contributor** *Jan 2018 – Present*
  - **GitHub CLI** `cli/cli`
    * Contributed in versions: 2.55.0, 2.54.0, 2.53.0 (x2), 2.49.2, 2.49.0 (x3), and 2.48.0 (x4).
  - **Microsoft TypeScript** `microsoft/TypeScript`
    * Contributed to compiler/type-checker/services in versions: 5.4 (x2), 5.3, and 4.8 (x2).
  - **Microsoft VS Code** `microsoft/vscode`
    * Contributed in versions: 1.77, 1.75 (x3), 1.74 (x6), 1.73, 1.72, 1.71 (x2), 1.70 (x2), 1.69 (x5), 1.67, 1.66, 1.50, and 1.36.
    * Contributed in various VS Code tools/extensions:
      + References view `microsoft/vscode-references-view`
      + GitHub issue notebooks `microsoft/vscode-github-issue-notebooks`
      + Markdown grammar for Textmate `microsoft/vscode-markdown-tm-grammar`
      + Extension Manager `microsoft/vscode-vsce`
      + CSS Language Services `microsoft/vscode-css-languageservice`
      + Documentations `microsoft/vscode-docs`
    * Authored and published several VS Code extensions, including, but not limited to: (*My profile*)
      + Go Test Suite Support `babakks/vscode-go-test-suite`
      + Send to Terminal `babakks/vscode-send-to-terminal`
      + Copy/Pipe from Terminal `babakks/vscode-copy-from-terminal`
      + VS Code Semi-Vim Shortcuts `babakks/vscode-vim-shortcuts`
  - **Other open-source projects**
    * oh-my-zsh, Helm Charts, Docker docs, etc.

- **Part Software Group** Mashhad, IRAN
  - **Technical Team Lead** *Jun 2023 – Present*

    JavaScript, Node js, Vue js
    * **Designed** a digital banking app with **micro-frontends**, using modular architecture and **FSD** for micro-apps, reducing development time **10x**.
    * **Designed** a shared dependencies approach for the Design System, UI components, and commonly used utilities, using Git submodules for integration.
    * **Designed** a state machine with dynamic workflows, optimizing performance and security (e.g., used in user loan request processing).
    * **Led and mentored** a development team, promoting collaboration and technical growth through feedback and initiatives.
  - **Technical Interviewer** *Apr 2021 – Present*

    JavaScript, Vue js, Node js, SOLID, OOP, Testing, Dependency Injection, Design Patterns, Clean Code/Architecture
    * Developed further insight regarding people's coding habits and common bad practices.
  - **Internship Directorr** *Mar 2023 – Sep 2024*
    * **Created** learning paths tailored to company needs and integration of specific cloud services.
  - **Senior Front-End Developer** *Feb 2020 – June 2023*

    JavaScript, Vue js, PWA

- **Canonical Ltd** UK
  - **Software Engineer II (Back-End, Remote)** *Mar 2023 – Feb 2025*

    Golang, Python

* Developed/maintained Livepatch, JAAS (Juju as a Service), and Juju charms.
* Authored VS Code extensions to increase developer productivity:
  + Go Test Suite Support `babakks/vscode-go-test-suite`
  + Charmcraft IDE `babakks/vscode-juju-charmcraft-ide`
  + Rockcraft IDE `babakks/vscode-rockcraft-ide`
* Technical interviewer (Software Engineering skills, Linux, Golang Deep-Dive).

- **Cafe Bazaar**   Mashhad, IRAN
  - **Senior Back-End Developer**   *Jan 2020 – Jan 2022*

    Golang, Python, PostgreSQL, Redis, gRPC, Kubernetes

    * Improved update awareness (for external apps) from daily to per-hour precision (20x).
    * Increased performance by refactoring toward multi-thread architecture (10x).
    * Redesigned tightly-coupled, untestable codebase into a loosely-coupled, test-friendly design.
    * Enhanced service up-time (from unstable 95% to stable 99.99%) by implementing an LRU cache.
  - **R&D + Reverse Engineering**   *Mar 2020 – Dec 2022*

    Protobuf

    * Discovered undocumented Protobuf-based API capabilities; subject to ongoing NDA.
  - **Technical Interviewer**   *July 2020 – Dec 2021*

    SOLID, OOP, Testing, Dependency Injection, Design Patterns, Clean Code/Architecture

    * Developed further insight regarding people's coding habits and common bad practices.

- **Khorasan Regional Electric Company (KREC)**   Mashhad, IRAN
  - **IT Consultant**   *June 2019 – Dec 2019*
  - **Windows Application Developer**   *June 2015 – Aug 2017*

    C#, WPF

- **Mashhad Urban Railway Operation Company (MUROC)**   Mashhad, IRAN
  - **Software Engineer**   *Mar 2015 – Mar 2017*

    MATLAB, LaTeX

- **Freelance Software Engineer**   Mashhad, IRAN
  - **Windows/Web Application Developer**   *Jan 2010 – Jan 2015*

    .NET Framework, ASP .NET, C#, VB .NET, SQL Server

Education

- **Master's in Electric Power Engineering (Hons.)**   *Sep 2011 – Sep 2014*

  Ferdowsi University of Mashhad (FUM)   Mashhad, IRAN
- **Bachelor's in Electric Power Engineering (Hons.)**   *Sep 2007 – Sep 2011*

  Ferdowsi University of Mashhad (FUM)   Mashhad, IRAN

Honors & Awards

- **Ranked 1st among fellow students (M.Sc., GPA:** 19.17/20.00**)**   2014
- **Ranked 1st among fellow students (B.Sc., GPA:** 18.98/20.00**)**   2011

Skills

- **Design, concepts & protocols**

  Object oriented programming (OOP), design patterns, SOLID principles, loose/tight coupling concerns, dependency injection (DI), inversion of control (IoC), unit/integration tests, test-driven development (TDD), relational databases, web services, SOA, RESTful APIs, microservices.

- **Programming languages, technologies & tools**

C#, Go, Python, TypeScript, JavaScript, Linux, Nodejs, bash/zsh, SQL, PostgreSQL, SQL Server, MongoDB, Redis, RabbitMQ, Prometheus, Git, GitLab CI, GitHub Actions, Juju, Kubernetes, helm, docker, LXD, Compilers, VS Code Extensions, LaTeX, Regular Expressions.

- **Languages**
  - English (*full professional proficiency, Academic IELTS 7.5*)
  - Persian/Farsi (*native*)