Mohammad ali Ali panah

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As a child, computers fascinated me. I made a promise to myself to uncover its secrets. So I studied hard and became top 1% who entered the university. I had to work full-time while studying. Over time, I advanced in my career, and now I hold the position of Senior Software Engineer. I have strong understanding of software development principles & do open-source contribution occasionally. Helping and managing people is my passion.

Experience

Zoomit   Apr 2021 – Present
Technical lead   *Tehran, Iran*
- Zoomit is the most viewed Persian-language media in the field of technology with over 25M views a month.
- Managed and led 6 engineers and helped them to thrive in their careers by executing a together learning program every sprint and One-on-One meetings which leads to higher morale.
- Helping the company move towards cloud native by configuring and leveraging CNCF approved technologies for deployment, logging, and collecting metrics like Gitlab CI, Docker, Elastic APM, Prometheus, and Kubernetes.
- Using different rendering patterns and caching strategies. Our performance test with locust results in 2k+ rps.
- Maintained a large NX Monorepo with 20 applications and libraries including Design systems, Unit and E2E test, shared components, and utils.
- Developed a server driven UI module system for dynamic content and advertisement without content jump.
- Architect a state of the art block editor with over 25 blocks (typography, image, table, related-articles, quote) empowering 100+ writers. Decoupled the blocks JSON specification from UI to achieve end-to-end type-safety, tree shaking, and rendering different UIs based on templates.
- Delivering high quality features on time to this day. With the help of sympathetic colleagues and solid architecture.

iGap Messenger   Jun 2020 – Apr 2021
Software Engineer   *Tehran, Iran*
- iGap is a free and partially open-source end-to-end encrypted instant messaging. It has 15M+ downloads. Our mission was to rewrite the client using modern technologies like React, Typescript, Redux, WebSocket, and MUI.
- Built voice & video calling using WebRTC with support for ringing, muting, and disabling for enhanced control.
- Added support for Bots.
- Worked on sticker and animated sticker using Samsung's rlottie WASM bindings. It improved CPU performance by 76% and ensured 60fps for low-end devices. Our PWA implementation performed better than the native Android.
- Implemented several proto message handlers: Reply and Forward message, create and manage Channels and Groups, Profile (bio, privacy settings, notifications), iLand (server driven tiles with deep links and different actions)

Mine taxi   Dec 2019 – May 2020
Software Engineer   *Tehran, Iran*
- MineTaxi is a ride-sharing startup. Their focus is on the small towns.
- Developed the web application using React, Sass and Redux. Built reusable components for other developers.

Education

Babol Noshirvani University of Technology   2019 - 2023
Bachelor's degree, Computer Software Engineering (GPA: 3.1 / 4)   *Babol, Iran*
- **Teaching assistant:** Web programming, Software engineering and Operating systems
- **Publications:** Remote code execution engine. Under supervision of Prof. Ali Gholami Rudi. The research was about code execution using MicroVMs like firecracker and comparing it with docker container. YARCEE(the project name) was implemented using Go and firecracker-sdk - Drafted
- **Volunteering:** NIT Academy is a platform for students containing online sessions professors taught during COVID.

Technical Skills

Languages: TypeScript, JavaScript, HTML, CSS, C#, Python, Go
Front-end: React.js, Next.js, Nx, Tailwind, Styled-components, Zustand, react-hook-form, Tanstack's Query, Redux
Back-end: Node.js, Express.js, .NET Core, MongoDB, RabbitMQ, PostgreSQL, Entity Framework, xUnit, MassTransit, Elasticsearch
Tools: Git, Docker, GitlabCI, Kubernetes
Concepts: OOP, SOLID, CI/CD, Monorepo, Design Patterns, Microservices, Dependency injection, Domain-Driven Design (DDD), Repository pattern, Event sourcing, Unit of work, Cloud native computing