Vida Ghorbannezhad Maleki

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PROFILE SUMMARY

Results-driven software engineer with expertise in full-stack development, backend systems, and scalable application design. Proven track record of delivering high-impact features, optimizing performance, and collaborating across teams to enhance user experiences. Skilled in Python, JavaScript, TypeScript, Java, and React, with a strong foundation in data structures, algorithms, and distributed systems. Passionate about building robust, user-centric solutions and eager to contribute to innovative projects in live streaming and creator monetization. Adept at learning new technologies and solving complex problems in dynamic environments.

CORE QUALIFICATIONS

- Proficient in building scalable applications using Python, Java, JavaScript (React, Next.js), and TypeScript across frontend and backend systems.
- Experience with REST APIs, database design (MongoDB, PostgreSQL), and distributed systems, ensuring high performance and reliability.
- Skilled in React, Tailwind CSS, and Fluent UI, with a focus on responsive design, accessibility, and user experience optimization.
- Strong background in automated testing (Jest, Cypress) and debugging to ensure stable, production-ready releases.
- Proven ability to work cross-functionally with engineers, designers, and product managers to deliver features efficiently.
- Solid foundation in data structures, algorithms, and system design, with a focus on scalability and concurrency.
- Quick learner with experience in multiple tech stacks and eagerness to master new tools and infrastructure (e.g., AWS).

PROFESSIONAL EXPERIENCE

Software Engineer Intern   *Aug 2024 – Jan 2025*
Snowflake – (Bellevue, WA)

- Spearheaded development of a configurable data grid for Notebooks and Streamlit, enabling users to persist column preferences and improving UX adoption by 25%.
- Enhanced backend systems by redesigning the Notebook DTO to include Python runtime metadata, reducing debugging time by 30% for internal teams.
- Built snow streamlit execute, a CLI tool for headless app deployment, contributing to Snowflake's open-source ecosystem.
- Wrote 50+ unit and integration tests (Python) for Notebook services, increasing test coverage to 90% and reducing post-release bugs.
- Collaborated with 3 cross-functional teams (UI, Backend, QA) to deliver features in 2-week Agile sprints, meeting 100% of deadlines.
- Optimized Streamlit's comment/import system in Snowflake CLI, reducing app initialization time by 15%.

Frontend Engineer (Freelancer)   *Jan 2024 – Feb 2024*
CashZar - (Remote, USA)

- Developed a responsive financial web app from Figma designs, leveraging React and Tailwind CSS to achieve 100% Lighthouse accessibility scores.
- Integrated Google Forms with real-time validation, streamlining user feedback collection and reducing submission errors by 40%.
- Deployed the app to AWS S3 with CI/CD pipelines, ensuring 99.9% uptime during peak traffic periods.
- Reduced bundle size by 20% via code-splitting and lazy loading, improving page load performance.

Full-stack Software Engineer Intern   *Jul 2023 – Sep 2023*
RentBase – (Remote, USA)

- Designed public listings feature using MongoDB schemas and Node.js APIs, increasing user engagement by 35%.

- Refactored 70+ React components with Tailwind CSS, cutting CSS bloat by 50% and improving maintainability.
- Implemented automated testing (Jest, Cypress) for critical user flows, reducing regression bugs by 60%.
- Built a dashboard for rental analytics using Chart.js, helping users track pricing trends.

Software Engineer Intern   *Aug 2022 – Jan 2023*
Microsoft - (Redmond, WA)
- Shipped features for Edge's Office integration (172k+ DAU), using TypeScript and Fluent UI to improve usability metrics by 15%.
- Developed a Chromium-based user engagement histogram (C++), informing product strategy with data-driven insights.
- Pioneered accessibility improvements via Narrator testing, achieving WCAG 2.1 AA compliance for 10+ components.
- Managed feature flags for phased rollouts, reducing customer-reported issues by 25%.

PROJECTS

Magic Storybook – AI-Powered Story Generator
- Full-stack app using Java Spring Boot (backend) and React (frontend), integrated with OpenAI's GPT API to generate dynamic stories based on user-selected inputs (characters, setting, genre, etc.).
- Built and styled the entire frontend experience with accessibility in mind.

Adies Capstone Hub – Capstone Showcase
- Created a full-stack platform using Next.js, TypeScript, PostgreSQL, and JWT auth to help Ada Developers Academy students showcase their capstone projects.

Frontend Take-Home – Ramp
- Built a React app to find and reveal a hidden DOM element, fetch a flag, and display it with a typewriter animation.
- Implemented DOM traversal, async/await, and responsive UI styling. [Live demo available]

Media Player Challenge – Linear
- Developed a modular React media player (deployed on Vercel) with support for play/pause, seek, and keyboard controls.
- Focused on clean component structure, accessibility, and intuitive UI.

EDUCATION

Ada Developers Academy – Full Stack Web Development
Seattle, WA | Mar 2022 – Jan 2023
Bachelor's in Accounting – Azad University of Tabriz
Tabriz, Iran | Sep 2009 – Apr 2014

SKILLS

- **Programming Languages:** Python, Java, JavaScript, TypeScript, C++ (basic)
- **Frontend:** React.js, Next.js, Tailwind CSS, Fluent UI, HTML/CSS, Accessibility
- **Backend:** Node.js, Flask, Spring Boot, REST APIs, GraphQL (basic)
- **Databases:** MongoDB, PostgreSQL
- **Tools & DevOps:** AWS (S3, Lambda), Azure, Git, Docker (basic), Webpack, Snowflake
- **Testing:** Jest, Cypress
- **Concepts:** Data Structures & Algorithms, API Design, Distributed Systems