Malik **Danial**

SOFTWARE ENGINEER · NORTHEASTERN UNIVERSITY

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"Be the change that you want to see in the world."

Skills

Programming Languages	JavaScript, TypeScript, Java, Python, PHP, Bash
Human Languages	English, Urdu, Chinese
Technologies	React.js, React Native, Next.js, Vue.js, Node.js, Express.js, Spring Boot/Cloud, FastAPI, Tensorflow, PyTorch
Databases:	SQL, MySQL, MongoDB, Firebase, Redis
Platforms/Tools:	Heroku, Vercel, Docker, Linux, JetBrains, Visual Studio, GIT, IPython

Summary

Dynamic software engineer with international experience and a degree from Northeastern University. Specializes in front-end development and project migrations to cutting-edge technologies at Bayt.com. Expertise in SDK design, performance optimization, and cross-functional collaboration. Committed to continuous learning and innovation in the software industry.

Work Experience

Bayt.com   *Dubai, UAE · Remote*
SOFTWARE ENGINEER II   *Mar. 2024 - Present*
- Designed and maintained an SDK widget for seamless integration with third-party applications, expanding Evalufy's reach by 25%.
- Optimized application performance, reducing load times by 15%.
- Transitioned towards a Progressive Web App (PWA) architecture to enhance accessibility and user engagement.
- Led cross-functional team collaborations to enhance front-end and back-end synergy, improving project delivery time.

Bayt.com   *Dubai, UAE · Remote*
SOFTWARE ENGINEER I   *Sept. 2023 - Mar. 2024*
- Key contributor in the Evalufy department, specializing in the development of Evalufy - an online platform for conducting interviews, exams, surveys, and more.
- Led the migration of the front-end technology stack from Vue.js 2 to the latest Vue.js and Vite version, implementing cutting-edge features to enhance user experience.
- Developed and implemented new features in response to the growing demand for online evaluation tools, particularly in the post-COVID era.
- Worked with Spring Flow to streamline and optimize back-end processes, contributing to the overall efficiency of the Evalufy platform.
- Adhered to best practices in software development, including version control and collaborative coding on platforms such as GitLab and Jira.

Neusoft   *Shenyang, China*
FULL STACK SOFTWARE DEVELOPER INTERN   *May. 2022 - Jul. 2022*
- Developed a full-stack E-Learning platform called WebAcademy, which allows teachers to publish courses and users (students) to purchase them and track their learning progress.
- Worked on front-end using React.js 18, TypeScript, React Query, Redux, Tailwind CSS, and Material-UI.
- Collaborated with the team to develop the back-end using Java Spring Cloud Alibaba.
- Contributed to system architecture design, database structures, and implementation using MySQL and Spring Data JPA.
- Learned how to collaborate on large-scale projects and contribute through GitHub.

Jolta Technology DMCC   *Islamabad, Pakistan*
GAME DEVELOPER INTER   *Jun. 2016 - Jul. 2016*
- Developed fundamental C# and Unity skills.
- Presented various mini-game ideas and proposals.
- Worked on mini games similar to Flappy Bird.
- Learned to work with a schedule and strict time frame.

Education

Northeastern University (CN)   *Shenyang, China*
BACHELOR OF ENGINEERING IN SOFTWARE ENGINEERING
- GPA: 3.56
- Relevant Coursework: Data Structures, Algorithms, Machine Learning, Human-Computer Interaction.

Personal Projects

RealEnvision
real-envision.vercel.app

- Designed and implemented an image-generation system based on the Diffusion model.
- The system offers various image generation and modification tools such as text-to-image, image-to-image, image inpainting, and super-resolution.
- Authenticated users can save and manage generated images as projects for future reusability and further modifications.
- Technologies used: React.js, Next.js, TypeScript, MongoDB, OAuth, TailwindCSS, Python FastAPI, HuggingFace, PyTorch.

WatchedThis
watched-this.vercel.app

- Developed an application to get popular, trending movies and TV shows using TheMovieDB API.
- Allows users to track watched TV show episodes and get information on the latest episodes such as release dates.
- Technologies used: NextJS, TypeScript, MongoDB, OAuth, TailwindCSS, Serverless Functions.

MyPlaces
GitHub Link

- Developed an iOS and Android application to save details about favorite traveled places such as pictures, map location, etc.
- Technologies used: React Native, TypeScript, Expo, Google Location API, SQLite, Redux, NativeWind, Native Camera API, React Navigation, Geoapify API, Google Maps, Apple Maps.

SharedExpense
GitHub Link

- Developed an iOS and Android application to track monthly shared expenses such as those with a roommate.
- Technologies used: React Native, TypeScript, Expo, SQLite, Redux, NativeWind, React Navigation.

Penny Juice Website Redesign
penny-juice-redesign.vercel.app

- Redesigned the famous Penny Juice website to improve human-computer interaction and design skills.
- Technologies used: Next.js, TailwindCSS, FramerMotion.

Neusoft Cloud Factory
GitHub Link

- Developed an application to manage, maintain, and monitor factory machinery and equipment.
- Designed with Figma, developed using React.js, Material-UI, and Recharts.
- Completely responsive and screen-reader ready.