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

Enthusiastic and results-driven software engineer with a diverse international background, originally from Islamabad, Pakistan, and recently graduated in China. Currently employed at Bayt.com, specializing in front-end development. Actively leading project migrations to the latest technologies, designing and maintaining an SDK widget for seamless third-party integration, and prioritizing application performance optimization. Demonstrates a strong commitment to staying current in the ever-evolving software landscape.

Work Experience

Bayt.com   *Dubai, UAE · Remote*
SOFTWARE ENGINEER II   *March. 2024 - Present*

- Designed and maintained an SDK widget for seamless integration with third-party applications, expanding Evalufy's reach and usability.
- Focused on optimizing application performance and transitioning towards a Progressive Web App (PWA) architecture to enhance accessibility and user engagement.
- Collaborating seamlessly with cross-functional teams, ensuring effective communication and synergy between front-end and back-end development efforts.

Bayt.com   *Dubai, UAE · Remote*
SOFTWARE ENGINEER I   *Sept. 2023 - March. 2024*

- Key contributor in the Evalufy department, specializing in the development of Evalufy - an online platform for conducting interviews, exams, surveys, and more.
- Lead role in 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 the back-end processes, contributing to the overall efficiency of the Evalufy platform.
- Adhering 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 primarily on the front-end writing 43,000+ lines, using React.js 18 Typescript, React Query, Redux, Tailwind CSS, and MaterialUI.
- Collaborated with team to develop back-end using Spring Cloud Alibaba.
- Contributed to the system architecture design, database structures, and its 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
- Learned to present various Mini-game ideas and proposals
- Developed a complete Flappy Bird game clone
- Learned to work with a schedule and strict time frame.

Education

Northeastern University (CN)   *Shenyang, China*
BACHELOR OF ENGINEERING IN SOFTWARE ENGINEERING

- 3.56 GPA

Personal Projects

RealEnvision
- The design and implementation of an image-generation system based on Diffusion model.
- The system offers users various different 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.
- Made using React.js, Next.js, TypeScript, MongoDB, OAuth, TailwindCSS, Python FastAPI, HuggingFace, PyTorch

WatchedThis
- An application to get the 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.
- Made using NextJS Typescirpt, MongoDB, OAuth, TailwindCSS

MyPlaces
- IOS and Android application to save details about your favorite traveled places such as pictures, map location, etc.
- Made using React Native Typescript, Expo, Google Location API, SQLite, NativeWind, Native Camera API, React Navigation, Geoapify API, and Google+Apple Maps

SharedExpense
- IOS and Android application to track monthly shared expenses such as those with a roommate
- Made using React Native Typescript, Expo, SQLite, NativeWind, React Navigation

Penny Juice Website Redesign
- My design and take on the famous penny juice website, to improve human computer interaction and design skills
- Made using Next.js, TailwindCSS, FramerMotion

Neusoft Cloud Factory
- Application to manage, maintain and monitor factory machinery and equipment.
- Deigned with Figma, made using React.js, Material UI and Recharts
- Completely responsive and screen-reader ready.