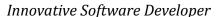
Asadbek Nematov







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Technical Skill Summary

Web & Mobile Development: JavaScript, ReactJS, AngularJS, React Native, AWS, Flutter, Swift, SwiftUI, ARKit, Python

Frameworks, Libraries & API: Bootstrap, Tailwind, Firebase, API Integration

Design & Multimedia: Adobe Photoshop, Lightroom, Figma, Canva **Version Control & Hosting:** Git, GitHub, Domain management

Languages: Uzbek, Russian, English, Turkish

Team Leadership Projects

Interview Prep AI Platform

September 2023

ShellHacks Hackathon (OpenAI ChatGPT-4, Firebase, Vite, Tailwind, Voice-to-Text API, ReactJS)

- Spearheaded the integration of OpenAI GPT and developed a Voice-to-Text feature using ReactJS and JavaScript, leading to the successful demonstration of our platform, GimmeJob.com, which received an award from GoDaddy.
- Directed a team of 5 to design and implement user login/signup pages using **Firebase** and **Firestore**, establishing a robust database infrastructure for tracking user interview performance on our Interview Prep AI platform.
- Managed the design of a user-friendly website with Vite, ReactJS, and Tailwind, managing domain purchase and hosting setup, resulting in the well-received platform, GimmeJob.com, for effective interview preparation.

Recipe App in Tinder UI | RecipeLab

March 2023

HackaBull Hackathon (React Native, MongoDB, Google Vision, Spoonacular API, SwiftUI)

- Crafted a **Tinder-style** swipeable UI using **React Native**, a cross-platform app, enabling users to easily browse and select recipes generated based on their ingredient photos, enhancing user engagement and app functionality.
- Leveraged **Google Vision** for ingredient image recognition and integrated **Spoonacular API** to generate recipe suggestions, streamlining the process of converting visual ingredient data into actionable recipe recommendations.
- Initially developed the app using React Native for seamless operation on both Android and iOS, and post-hackathon, successfully transitioned the project to SwiftUI, demonstrating adaptability and enhancing the app's performance.

Hackathon Website | hackjam.dev

October 2023

HackJam Hackathon organized by SHPE (ReactJS, Vite, Tailwind, Netlify)

- Led website development for HackJam Hackathon, ensuring even task distribution and error resolution.
- Executed a distinctive website design with a waving animation on **ReactJS** and **Tailwind**, enhancing user experience and leading to over **200 sign-ups** for the hackathon through the website, exceeding initial registration targets.
- Procured the domain name hackjam.dev from name.com and managed the hosting setup on Netlify.

VR bot | Buzz Lightyear

May 2023

EGN3000L Foundations of Engineering Lab (Arduino, 3D Printing, ARCore, SwiftUI)

- Coordinated a team of 5, directing the **3D-printing** of a Buzz Lightyear bot and remote-control integration via **Arduino**.
- Developed a **VR app** using **SwiftUI** and **ARCore**, generating immersive planetary environments for the bot to traverse, enhancing interactive and exploratory aspects, and showcasing the creative integration of hardware and software.
- Leveraged **3D-printing** technology to fabricate a detailed Buzz Lightyear model, and implemented a remote-control system using **Arduino** components, demonstrating practical engineering skills in hardware development.

Experience

Society of Hispanic Professional Engineers (SHPE) & Hackabull

Tampa, Florida

Position: Tech Director & eBoard

August 2023 - Present

- Directed and executed tech workshops for Hackabull Hackathon, along with evaluating final project submissions to ensure code quality and adherence to project guidelines, significantly enhancing the project execution capabilities.
- Conducted diverse technical workshops on **Tailwind** CSS, **API** integration, and **React Native** (in collaboration with ACM), enhancing participants' skills in styling, real-time data handling, and cross-platform app development.

Department of Medical Engineering - University of South Florida

Tampa, Florida

Position: OPS Student Assistant

August 2023 - Present

- Facilitate lab exercises and guide on engineering design and team projects, enhancing practical education for students.
- Assist in evaluating students' communication skills and refining lab exercises in collaboration with instructors, preparing students for interdisciplinary engagements and nurturing engineering aptitude.

Education