Amirsaleh Naderzadeh Mehrabani

Software Developer

Email: salehmehrabani.business@gmail.com

LinkedIn: https://www.linkedin.com/in/amirsaleh-naderzadeh-mehrabani/

GitHub: https://github.com/SaLEHmEHRABANI

Phone: (+98)-9303369912

Summary

Software engineer with 3+ years of experience in developing and delivering high-quality software. Proven ability to work independently and as part of a team, and to meet deadlines under pressure. Strong problem-solving and analytical skills.

Experience

Full-stack Developer – Freelance – [Jul 2022 - present]

- React.js – HTML- CSS – JavaScript- Node.js, Express.js, Mongo dB, Mongoose.js.
- Developed and maintained web application and E-commerce website for clients.
- Dana Value Chain Official Website, danavaluechain.com
    - Website Design, UI and UX design using Figma.
    - Frontend Development using React.js, Tailwind CSS, and Framer Motion.
    - Backend Development using Node.js, Express.js, Mongo dB, Mongoose.js, and MVC architecture.
    - Server Configuration using Docker, Linux Configuration.
- Design and develop Shopping ecommerce – React.js, Tailwind CSS, and Framer motion. Github & Live Preview
- Design and develop Rexrosan ecommerce – React.js, Tailwind CSS, and Framer motion. Github & Live Preview
- Designing and developing a full functional system for restaurant management (DION management system) – Under development.

Software developer – Mondial3d.com / Mondial3d.studio / Mondialai.de – [Oct 2023 – present]

- Develop Service Center for AI based calling center, automated chat box customer service and automated chat room customer service.
    - Restructure and develop new platform to replace Terminplanung für Arztpraxen.
    - Develop AI Call Center using Nextjs, Tailwindcss and SignalR.
    - Develop dashboard platform for managing services.
    - Develop Automated Chat Box no-code template for customers.
    - Develop Automated Chat Room no-code template for customers.
    - Create embedded code generator – (see the use case inside the Mondial3d.com)
    - Develop AI pipeline for Voice Dialization, Voice Transcription and Speaker Recognition – (use case: AI based Call center inside the Mondialai.de).
    - Develop multilingual website - Mondialai.de
- Develop Blender Plugin using Python and Bpy python library - Github.
    - Multithread processing – Downloading GLTF files from server and Save into tempt directory in the additional processing thread
    - Creating Authentication Partition in Mondial Blender Addon
    - Creating Prompt gateway and Connecting MondialAI to the Mondial Addon.
    - Creating 3D Model Marketplace
    - Publish to server and Load project from the Server feature

- o Error handling and Error presentation

- Develop Cinema4d Plugin using Python and C4d python library - [Github](#).
  - o Creating Authentication Partition in Mondial Blender Addon
  - o Creating Prompt gateway and Connecting MondialAI to the Mondial Addon.
  - o Creating 3D Model Marketplace
  - o Publish to server and Load project from the Server feature
  - o Error handling and Error presentation

- Develop and maintain the [Mondial3d.com](#) website – Functional Debugging using Next.js.
- Research about Diffusion Models and Learn from the [Deeplearning.ai](#) course.
- Research about 3D models and Ray casting in Three.js
- Successfully delivered multiple projects on time.

Deep Learning Designer and Engineer – Freelancer – [Jan 2023 - present]
- Develop Persian Text to speech system using my own voice clone dataset.
- Develop Deep learning algorithm using Pytorch framework:
  - o Deep neural networks – Custom Dataset and Data loader.
  - o Convolutional Neural Network – Resnet50, EfficientNet, VGG, and etc.
  - o Faster-RCNN – Fine tuning backbone and customizing the structure.
  - o Data preprocessing – torchvision, Pandas, NumPy, Matplotlib, SciPy, Albumentation, and etc.
  - o Fine tuning algorithms to reduce execution time.
- Worked on team of engineers to design and implement Deep Learning algorithms and gathering datasets (Labelling datasets).
- Successfully delivered multiple projects on time.

Skills

Technical skills:
- *Programming Languages:* Python, JavaScript, C++, CSS, HTML, SQL, Tailwindcss.
- *Programming Frameworks:* Pytorch, React.js, Node.js, Express.js, Mongo dB, Mongoose.js. Next.js.
- *Development Methodologies:* Agile (Scrum), UP
- *Multi*-threading programming
- *Artificial Intelligence:*
  - o Machine Learning
  - o Deep Learning
  - o Computer Vision
  - o Image Segmentation
  - o Data Analysis
  - o Generative AI

Soft skills:
- *Communication*
- *Problem-solving*
- *Critical thinking*
- *Creativity*
- *Teamwork*

Education

Bachelor of Science in Computer Engineering – University Sharif of Technology, Iran – Oct-2020, Jan-2025.

Certifications

- Machine Learning Specialization – Coursera
- Python and Object- Oriented Programming – Tehran University, Tehran, Iran.
- C++ Programming and Object- Oriented Programming – Tehran University, Tehran, Iran