Amirsaleh Naderzadeh Mehrabani

Software Developer

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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

Frontend 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.
- Designing and developing a full functional system for restaurant management (DION management system) – Under development.
- 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

Software developer – Mondial3d.com / Mondial3d.studio / Mondialai.de – [Oct 2023 – Aug 2024]

- 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
    - Error handling and Error presentation

- Develop Cinema4d Plugin using Python and C4d python library - Github.
    - Creating Authentication Partition in Mondial Blender Addon
    - Creating Prompt gateway and Connecting MondialAI to the Mondial Addon.
    - 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 - Oct 2023]
- 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++, Solidity, 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

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

Education
Bachelor of Science in Computer Engineering – University Sharif of Technology, Iran – 2020-present.

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