



Backend Architect

X-Nav Technologies, LLC is a rapidly growing technology startup that specializes in developing innovative navigation solutions for the healthcare industry. Our mission is to make surgeries more accurate and efficient by providing real-time surgical navigation through our proprietary technology. We are looking for a talented Backend Architect to join our team and help us design and implement scalable and reliable backend systems for our products and business.

Job Description:

The Backend Architect will work closely with the executive team to design and implement scalable and reliable backend systems that support the needs of our surgical navigation platform. The ideal candidate will have a strong background in designing and implementing distributed systems, microservices architecture, and API design, as well as an understanding of GDPR and HIPAA compliance requirements. We are also looking for a Python developer to fill this role.

Responsibilities:

- Design and implement scalable and reliable backend systems that support the needs of our surgical navigation platform.
- Create and maintain technical documentation, including system design documents, API specifications, and implementation plans.
- Design and implement RESTful APIs that conform to industry standards.
- Work closely with the Frontend Web Developers to ensure that backend systems are well-designed, documented, and integrated with the front-end user interface.
- Evaluate and recommend technologies and tools that can improve the efficiency and scalability of the platform.
- Ensure that all systems meet GDPR and HIPAA compliance requirements.
- Act as a technical lead for developers, overseeing their technical tasks and providing mentorship.
- Actively participate in the development process, including coding, testing, and debugging.

Qualifications:

- Bachelor's or Master's degree in Computer Science, Software Engineering, or a related field.
- 7+ years of experience in designing and implementing backend systems, including distributed systems, microservices architecture, and API design.
- Proficient in Python and experience with relevant frameworks such as Django or Flask.
- Experience with database systems such as PostgreSQL, MySQL, MongoDB/DocumentDB.
- Experience with message brokers such as RabbitMQ, Kafka, or ActiveMQ.
- Familiarity with containerization technologies such as Docker and Kubernetes.
- Familiarity with cloud platforms, preferably AWS.



- Strong understanding of software development principles and practices, including agile development methodologies.
- Excellent problem-solving skills and ability to work independently or as part of a team.
- Excellent written and verbal communication skills.
- Knowledge of DICOM/PACS is a plus

If you are passionate about designing and implementing scalable and reliable backend systems, have experience in Python development acting as a technical lead, and wish to make meaningful impact on the business through your design choices and leadership, we encourage you to apply for this exciting opportunity.

Position open immediately. Please submit resume and qualifications to Jason.gibbs@X-NavTech.com or call 1-855-475-9628 for more information.