
JOB DESCRIPTION

Position	Application Engineer, Front-End
Department	Professional Services
Reporting To	Vice President, Operations
Subordinate(s)	--
Shift(s)	--

The Front-End Application Engineer is an individual contributor tasked to design, develop and deploy robust frontends in compliance with coding standards and in accordance to required business and technical design.

DUTIES & RESPONSIBILITIES

1. Design and develop high quality frontend applications
2. Write well-designed, efficient and testable code
3. Understand and collate user requirements to produce design specifications and architecture
4. Develop software libraries, modules and configuration files that contribute to Sentient.io's technical codebase
5. Integrate and implement security and data protection features
6. Develop software test plans and quality assurance procedures
7. Document and maintain software functionality, upgrades and patches
8. Develop CI/CD pipelines for frontend deployment
9. Serve as the subject matter expert for and support developed work / products
10. Stay abreast with industry standards and practices while adhering to project plans

ARCHETYPES OF THE SUCCESSFUL CANDIDATE

1. Excellent technical and programming skills are a must.
2. Good understanding of software development fundamentals, authentication, authorisation, web components, database access and microservices.

3. Strong linguistic skills in both written and spoken English. Other languages would be a plus.
4. A meticulous self starter who is self motivated and loves learning
5. Proven work experience as a full stack / frontend developer in Vue3, leaflet.js, various Maps related software libraries, d3.js, data visualisation, TypeScript would be a strong advantage.
6. Prior experience with major cloud providers like GCP, AWS, Azure etc and in Dev-Ops / Microservices / Kubernetes would be an advantage.

TECHNICAL REQUIREMENTS

1. Software development related tools: Python, JavaScript, TypeScript, Vue3, Axios
2. Application development/management related tools: GCP, Quasar Framework, Vuetify, BigQuery
3. Storage/Database management related tools: NoSQL, MySQL, BigQuery
4. Versioning tools: Github
5. Other technical knowledge: Sockets, REST, JSON, CompositionAPI, Leaflet.js, Google Maps API