

Screening Test/Interview Questions for Junior Software Engineer (Remote)Position

Instructions: Please precede all your answers with the question you are answering. Use acronyms only after you've explained them. Use correct spelling and grammar. Be sure to write your name and the interviewer's name.

Candidate's Name:

Interviewer's Name:

1. Are you currently employed?
2. If a very talented Software Engineer on your team kept questioning your decisions, what would you do?
3. How do you ensure that your code remains maintainable and scalable over time? Can you give examples of practices or patterns you follow?
4. How do you handle performance optimization in your code?
5. How do you balance writing clean, efficient code with meeting tight deadlines or delivering features quickly?
6. How do you stay current with industry trends and new technologies? Can you share any recent advancements or tools you've incorporated into your workflow?
7. Can you discuss your experience with a specific software engineering methodology or development process?
8. What is your experience with version control systems, and how do you manage branches, merges, and code reviews in your workflow?
9. Walk me through your portfolio. Which pieces are you most proud of, and why?
10. Tell me about yourself and your last/current job/class.
11. In your view, what are the key attributes of an effective software engineer?
12. How much will you request per hour if you are hired?



Junior Software Engineer Job Description

Our mission is to connect the people of the world to their governments, and as a member of our engineering team, you will be part of a high-velocity group of engineers guiding the trajectory of our flagship web application. You'll be working on the full stack by creating delightful front-end user experiences and improving upon existing and building new backend functionality and internal APIs. You will be coding using primarily modern, server-side Python (FastAPI) and ES6 Javascript (React and [Next.js](#)) in addition to a healthy smattering of other web technologies for file storage, asynchronous job handling, and security. You will also be working with the latest Generative AI and LLM technologies as we add AI-based capabilities to our core products. This position supports the delivery of projects end-to-end under the guidance and support of experienced team members.

Junior Software Engineer Responsibilities:

- Contribute to a high-compute and volume data pipeline. FiscalNote is massively data-driven. We have teams working across our data pipeline from ingestion/scraping to data engineering/ML to search before it is made available to our users. Managing this dataflow and finding ways to validate our data and optimize it is essential to our success.
- Integrate data/functionality across multiple software solutions. FiscalNote is a part of a broader suite of software services and offerings, each with its own market, but all aligned towards our broader vision. Deeply integrating our products, finding synergies and opportunities across multiple existing solutions, and building out new global services will solidify our positioning as an end-to-end offering.
- Build web application functionality in Python/FastAPI and React/[Next.js](#).
- Work with and integrate the latest Generative AI and LLM technologies.
- Work across teams to ensure cohesion and collaboration across R&D functions (Engineering, Product, QA, Data, etc.)
- Create experiences for demanding end users by applying your knowledge to deliver a world-class user experience
- Respond to QA, client success, and customer support requests to provide excellent customer service

Junior Software Engineer Requirements:

- Demonstrated ability to write code and solve problems through software
- 2+ years of applied experience or equivalent in the software development industry using a modern tech stack (we use Python/FastAPI, React/[Next.js](#), etc.)
- Working knowledge of production and Cloud environments (we use AWS, Linux/Unix, Bash, nginx, etc.)
- Familiarity with common storage implementations (we use Mongo primarily, but also connect to Postgres, Elasticsearch, Redis, etc.)
- Familiarity with Generative AI and LLM technologies and concepts
- Technically curious, eager to learn, willing, and interested in trying new technologies

Compensation

Compensation is \$70 per hour.

Place of Work

Remote Full Time

