

Part I: LinkedIn Job Analysis

Job Title	Company	Location	Link	Key Skills
React Developer	Resource Informatics Group, Inc	United States (Remote)	Hyperlink 1	Key Skills: <ul style="list-style-type: none"> • Proficiency in React.js, JavaScript, HTML, CSS • Experience with state management (Redux or similar) • Knowledge of REST APIs / GraphQL integration • Familiarity with responsive design & cross-browser compatibility • Strong debugging & problem-solving skills
Jr. Java Developer	Lensa	United States (Remote)	Hyperlink 2	Basic Qualifications: <ul style="list-style-type: none"> • 2-4 years of Java Development experience. • Able to achieve MBI Public Trust clearance. • Java IDE (Eclipse or JBoss), Maven, Junit / Mockito, JavaScript / React / JQuery, HTML/ XM, Spring Boot, Spring MVC, Restful Services, Oracle or Mongo experience. • Must have experience in Agile. • Must have experience with software design patterns. • Must have strong analytical skills & be detail-oriented. Preferred Qualifications: <ul style="list-style-type: none"> • Responsive Web Design frameworks (HTML5, Bootstrap, Foundation) • Microservices • RedHat OpenShift • Cloud implementation • MongoDB • Current MBI Clearance
Junior Web Developer	Ledgent Technology	United States (Remote)	Hyperlink 3	Require Qualifications & Skills: <ul style="list-style-type: none"> • Proficiency in digital advertising technologies • Strong PHP coding skills with OOP principles • Proficiency in HTML, CSS, JavaScript, and TypeScript • WordPress Framework expertise • MySQL (8) database management skills • Experience with Ubuntu (24.04)/Nginx server administration • Knowledge of caching systems (Redis, Memcached) • RESTful and GraphQL API development experience • UI/UX design principles knowledge • Analytics platforms proficiency • A/B testing and CRO understanding Preferred Qualifications & Skills: <ul style="list-style-type: none"> • Experience in broadcast media, television, radio, or digital publishing environments. • Spanish-speaking • Website security expertise • Social media marketing pixels implementation experience • Cloud hosting services experience • Experience working on news websites • Proven track record of mobile-friendly development • Experience in broadcast media, television, radio, or digital publishing environments. • Familiarity with analytics, audience measurement, and first-party data platforms. • Knowledge of server-side rendering (Next.js, Nuxt.js) and microservices architecture.
Frontend Developer	Berkley Hunt	United States (Remote)	Hyperlink 4	Requirements: <ul style="list-style-type: none"> • 5+ years of full-stack product engineering experience, with strong emphasis on frontend craft. • Deep expertise in React, NextJS, TypeScript, and related tooling (Tanstack, modern state management, etc.). • Experience with data visualization libraries such as D3.js or Recharts. • Strong backend capabilities: API design, database optimization, distributed systems fundamentals.

				<ul style="list-style-type: none"> • Exceptional attention to detail and a strong sense of product design. • Proactive, ownership-driven mindset and the ability to thrive in fast-moving environments. <p>Nice To Have:</p> <ul style="list-style-type: none"> • Early-stage startup experience: building products from 0 → 1 in high-growth environments. • Experience building developer tools (analytics platforms, monitoring tools, observability products, SDKs). • Familiarity with AI engineering concepts (prompt engineering, RAG, LLM observability, agent orchestration, evals). • Strong background in design systems or UI component libraries.
Junior Java Developer	IntePros Federal	United States (Remote)	Hyperlink 5	<p>Required Experience:</p> <ul style="list-style-type: none"> • Experience with Azure Services including Azure Batch, Key Vault, and Application Insights • Experience with DevOps tools such as Git, Azure DevOps, Bamboo, and GitHub Actions • Experience with Java Web Services/Spring Boot/Java EE • Experience with Web Development/UI Frameworks/HTML/JavaScript/Gradl • Experience with Struts and Restful services • Experience with UNIX/LINUX/PowerShell bash or shell scripting • Experience in Agile development methodology and Kanban or Lean practices • Familiarity with Selenium Framework for automated tests • Ability to work well and collaborate within a team environment
Frontend Developer - Remote	Magik	United States (Remote)	Hyperlink 6	<p>Required Skills & Experience:</p> <ul style="list-style-type: none"> • 3+ years of front-end development experience, with an eye for design and detail • Strong proficiency in HTML5, CSS3, and JavaScript • Experience with version control (Git) • Familiarity with A/B testing tools, methodologies, and conversion optimization best practices • Knowledge of web performance optimization techniques and mobile-first responsive design • Experience embedding and optimizing video for the web • Hands-on experience with analytics/tracking integrations (Google Analytics, Facebook Pixel, etc.) • Ability to work independently, meet tight deadlines, and quickly pivot as needed <p>Preferred:</p> <ul style="list-style-type: none"> • Understanding of direct-response marketing principles • Experience with modern frameworks (React or Vue) • Familiarity with landing page design best practices
Junior Java Developer & Backend Java Developer	Precision Technologies	United States (Remote)	Hyperlink 7	<p>What We're Looking For:</p> <ul style="list-style-type: none"> • Minimum 3+ years of hands-on experience in Java application development, with strong skills in Core Java, Spring Framework, and Spring Boot. • Experience in developing backend services and RESTful APIs for enterprise applications. • Working knowledge of Spring MVC, Spring Data JPA, Hibernate, and exposure to Microservices architecture. • Good understanding of SQL and relational databases such as Oracle, MySQL, or PostgreSQL, including writing queries, joins, and stored procedures. • Exposure to front-end integration with JavaScript, HTML5, CSS3, and familiarity with Angular or React is a plus. • Basic understanding of cloud platforms (AWS, Azure, or GCP) and experience deploying Java applications or using services like EC2, S3, or Azure App Services. • Familiarity with version control tools like Git, and exposure to CI/CD pipelines using Jenkins, GitHub Actions, or Azure DevOps.

				<ul style="list-style-type: none"> • Solid foundation in OOP principles, design patterns, and coding best practices for maintainable software development. • Hands-on experience with unit testing frameworks like JUnit or Mockito, and exposure to integration testing practices. • Knowledge of exception handling, logging frameworks (Log4j/SLF4J), and basics of Spring Security for secure applications. • Exposure to containerization with Docker; knowledge of Kubernetes/orchestration tools is a plus. • Experience working in Agile/Scrum teams, participating in sprint planning, daily stand-ups, code reviews, and retrospectives. • Strong problem-solving and debugging skills, with the ability to collaborate effectively with senior developers, QA, DevOps, and product teams.
Back End Developer	Valzo Soft Solutions	United States (Remote)	Hyperlink 8	<p>Required Skills & Qualifications:</p> <ul style="list-style-type: none"> • Bachelor's degree in Computer Science, Engineering, or related field. • 5–7 years of proven experience as a Back-End Developer. • Strong proficiency in back-end languages such as Java, Python, Node.js, or C#. • Hands-on experience with relational and NoSQL databases (MySQL, PostgreSQL, MongoDB, etc.). • Solid understanding of REST APIs, Graph QL, and microservices architecture. • Experience with version control (Git), CI/CD pipelines, and containerization (Docker, Kubernetes). • Strong knowledge of system design, scalability, and performance optimization. • Excellent problem-solving skills and attention to detail. <p>Preferred Qualifications:</p> <ul style="list-style-type: none"> • Experience with cloud platforms such as AWS, Azure, or GCP. • Familiarity with messaging queues like Kafka or RabbitMQ. • Knowledge of DevOps practices, monitoring, and automation tools. • Industry certifications in cloud, database, or back-end development. • Strong communication and collaboration skills in remote environments.
Frontend Developer	ARK Solutions, Inc.	United States (Remote)	Hyperlink 9	<p>Required Qualifications:</p> <ul style="list-style-type: none"> • Bachelor's degree in Computer Science, Engineering, or a related field. • 5+ years of professional experience in front-end development. • Strong proficiency in JavaScript, HTML5, and CSS3. • Hands-on experience with one or more modern frameworks: React.js, Angular, or Vue.js. • Experience with RESTful APIs and asynchronous request handling (e.g., Axios, Fetch). • Familiarity with version control tools like Git. • Understanding of responsive design, cross-browser compatibility, and accessibility standards (WCAG). • Strong attention to detail and UI/UX sensibilities. <p>Preferred Qualifications:</p> <ul style="list-style-type: none"> • Experience with TypeScript and component libraries (e.g., Material UI, Ant Design). • Familiarity with front-end testing tools (Jest, Cypress, etc.). • Experience with state management (Redux, MobX, Pinia, or Context API). • Knowledge of performance optimization techniques (lazy loading, code splitting). • Exposure to CI/CD pipelines and modern build tools (Webpack, Vite, etc.). • Understanding of SEO principles for SPA applications. • Experience with Figma, Zeplin, or similar design tools.

Jr. Full Stack/Backend Developer	Bidsquare	United States (Remote)	Hyperlink 10	Skills & Qualifications: <ul style="list-style-type: none">• Strong proficiency in PHP and experience with PHP MVC frameworks (Phalcon experience is a plus).• Experience using Laravel in last two years (this is a requirement)• Extensive experience with relational databases, particularly MySQL/MariaDB• Proficiency in creating and integrating REST APIs.• Familiarity with Node.js is a plus.• Experience with unit and integration testing methodologies.• Understanding and experience with CI/CD pipelines.• Strong ability to write clean, readable, and maintainable code.
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The first key skill is JavaScript/frontend frameworks (React, Angular, Vue.js), which is a technical skill. The second key skill is HTML & CSS, which are technical skills. The third key skill is RESTful APIs/backend integration, which are technical skills. The fourth key skill is version control (Git), which is a technical skill. The fifth key skill is problem-solving/analytical skills, which are transferable/soft skills.

The first pattern I notice in the job requirements is a strong emphasis on frontend development. React.js is the most frequently mentioned framework while other common frameworks mentioned are JavaScript, HTML, and CSS. Less common frameworks mentioned include Angular and Vue.js. Some things that were highlighted with frameworks include elements like UI/UX design and responsive design principles. Many jobs mention cross-browser compatibility (meaning being able to access applications that are made using different browsers and/or devices) and attention to detail for user interfaces which again touch on UI/UX design. The employers in the listings appear to prioritize candidates who can build polished, interactive, and responsive applications/websites.

The second pattern in the job listings is that backend integration and full-stack skills are valuable. The listings commonly mention required experience with REST APIs, GraphQL, and microservices. Backend languages that appear often are Java, PHP, Node.js, and Python. Spring Boot is a framework that gets mentioned along with those languages. It is important to have knowledge of databases like SQL, MySQL, PostgreSQL, and MongoDB. Even some of the frontend job positions often expect familiarity with backend integration and work with databases.

The third pattern is that there is a demand for version control and DevOps skills. The majority of the listings bring up Git when talking about version control. Some listings mention CI/CD pipelines, tools for containerization like Docker, and cloud platforms like AWS and Azure. Some listings frequently bring up having familiarity with the Agile/Scrum methodology of software development. Employers expect candidates to be able to do

collaborative work effectively in modern development environments and understand the software development lifecycle and methodologies.

The fourth pattern is that soft skills matter to a lot of the employers in the job listings. Problem-solving, analytical thinking, attention to detail, and collaboration are all explicitly mentioned. All of the job listings I found were remote positions and they often emphasize independence, having a proactive mindset, and strong communication for being in those remote environments. It is made clear that technical roles require strong transferable skills, especially for remote work or fast-paced environments.

The fifth pattern is that there is an emphasis on experience level and industry exposure. Most of the job listings target candidates with junior to mid-level developer experience, ranging from 2-5 years. The job listings each seem to prefer experience in specific industries like digital media, broadcasting, analytics, or marketing technology. Candidates are expected to have a familiarity with modern software development practices such as OOP, design patterns, and software development methodologies. The employers seek candidates who can quickly contribute to real-world projects and adapt to specific domain requirements.

The sixth pattern is that the job listings commonly have optional skills listed under their required skills. The listings appear to prefer candidates having exposure to TypeScript, testing frameworks such as Jest and Cypress, analytic tools, and cloud services. It is recommended to have familiarity with containerization, microservices, AI tools, or developer tools in order to stand out from other candidates. While core skills are

mandatory for the job positions, having adjacent or emerging technology skills has a high chance of making you stand out from other candidates.

I need to develop my database skills more thoroughly, as I lack experience in this area. I do have familiarity with HTML, CSS, Python, and Java, but I feel like I also need to strengthen my experience with Python and Java. Once I get comfortable with those programming languages, then I will feel like I have the proper knowledge that I would need for a job dealing with those. This analysis impacts me in a way that tells me I should be gaining as much knowledge as I can in my classes so that I can grow my skills with programming. I will start with internships that meet my skill level so that I can further develop my knowledge through experience.