# Nicholas Kingston for Hackbright Academy – WEEK 2 Assignment Extra Credit Jobs / Relevant Technology Stack

1. Google

Full stack Developer –

* Design, develop, and launch new features and platform improvements for on Android based platform - from the core platform and framework through the application layer.
* 2 years of experience with data structures or algorithms.
* 2 years of experience with full stack development, across back-end such as **Java, Python,** GO, and/or C++ codebases, and front-end experience including **JavaScript** and/or TypeScript, **HTML, CSS** or equivalent.
* We need our engineers to be versatile, display leadership qualities and be enthusiastic to take on new problems across the full-stack as we continue to push technology forward.

Google background:

* Crawling: Google downloads text, images, and videos from pages it found on the internet with automated programs called crawlers.
* Indexing: Google analyzes the text, images, and video files on the page, and stores the information in the Google index, which is a large database.
* Serving search results: When a user searches on Google, Google returns information that's relevant to the user's query.

Responsibilities

* With your technical expertise you will manage project priorities, deadlines, and deliverables.
* You will design, develop, test, deploy, maintain, and enhance software solutions.

1. Meta

Software Engineer -

* C, C++, C#, or **Java and ReactJS**
* Software development tools: Code editors (VIM or Emacs), and revision control systems (Subversion, **GIT**, or Perforce).
* Building highly-scalable performant solutions.
* **Data processing**, programming languages, databases, networking, operating systems, computer graphics, or human-computer interaction.
* Applying algorithms and core computer science concepts to real world systems as evidenced by recognizing and matching patterns from different areas of computer science in **production systems**.

Meta background:

* Meta owns a lot of companies such as Facebook, Instagram, WhatsApp, Oculus VR, CTRL-Labs, and Giphy.
* They use a lot of technologies including JavaScript (React.js), Python, PHP, Pearl, and C.

1. Netflix

# Software Engineer, Node.js Platform

* Develop and deploy code that meets Netflix’s availability, observability, and reliability needs.
* Mission critical offerings work together to power Netflix.com, the API services consumed by Netflix devices, and an ecosystem of web applications that support content productions.
* You create clarity and drive alignment across stakeholder groups on technical non-technical initiatives.
* You are curious and proactive learner that seeks to minimize assumptions and seeks to deeply understand before writing code or taking action.
* Exposure to development, debugging, testing, and operation of APIs, distributed systems, and cloud-based services.
* Kind and do excellent work.

Why Netflix chose Node.js?

* In the early days Netflix used Java to handle all the server side operations and JavaScript to do their client side stuff.
* This led to two teams of developers with different languages continuously interacting with each other because they couldn’t understand either the client or the server side.
* Java was very expensive in terms of server resources and build/test time compared to NodeJS.
* Netflix was able to reduce their server costs radically by improving their horizontal scaling and using the Non-Blocking architecture of NodeJS.