

< Web Based Platform For Developers to Practice For The Coding Interview />

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Problem

Coding Interviews require candidates to solve a problem by writing code and then optimising it with algorithms and data structures. To perform well in these, developers are having to purchase several decoupled resources that will help with some, but not all, of the following:

- Teaching algorithms & data structures
- Providing practice interview questions
- Providing an environment to write code

This is **not time efficient** or **cost effective**

Solution

I have built a SaaS platform to teach the core skills (algorithms & data structures) along with providing an integrated coding environment for developers to practice. This is because online learning is the clear favourite for developers:

Resources that developers use to practice coding interviews

Resource	Percentage
SaaS	~75%
Books	~25%
Other	~10%

Data collected from a survey I conducted with 20 developers who have experienced a real coding interview.

Aims & Objectives

Aim: To build a web platform that helps developers to familiarise themselves with the core skills required to pass a coding interview in addition to providing an environment for them to practice solving coding interview questions

Objectives:

1. To understand what the best practices are for building performant web apps
2. To research existing prep tools that developers use so I can form requirements
3. To create a curriculum for teaching algorithms and data structures
4. To research concepts in server-side development and implement a cloud computing platform to help alleviate these server-side concerns

Features

- 1 - Curriculum to teach developers algorithms and data structures
- 2 - Roster of coding interview questions varying by difficulty for developers to practice with
- 3 - An integrated coding environment built into the web app that allows developers to write, test and run their code

Technologies

Frontend Backend

Learn the curriculum

Practice the provided interview questions →

Future Work

- 1 - Provide more coding interview questions
- 2 - Currently we support JavaScript programming, I intend to support other popular languages (Python, Java, C#)

Download poster and follow updates on the project →

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