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Engineer Onboarding

Goals, Appoaches, Resources, Plan

TLDR;

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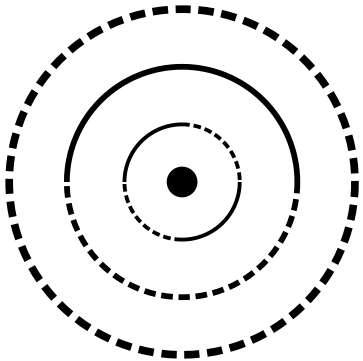
1. Challenges in interviews are designed select the ones who will not need classes or lectures
2. Your end goal after 4 weeks is to achieve real product successes
3. You will be provided with sufficient resources and tools (AI, cloud resources, mentors and learning materials) to learn and work
4. Check `/docs/plans` folder to get started

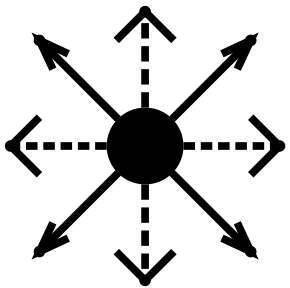
Goals



What success looks like after 4 weeks:

- Understand and apply the team's core technology stack
- Collaborate effectively with your mentor to maintain and operate production-grade products

Approaches



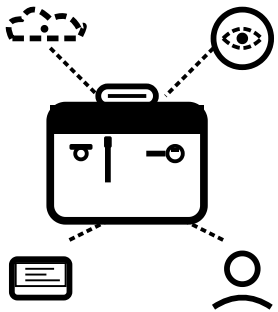
Doing backward

- Navigate through production environment
- Setup product metrics
- Understand users
- Pilot, launch and iterate

Use AI

- Learn with AI (but ask for mentor's help when its appropriate)
- Build with AI (or build AI app)
- Operate, troubleshoot with AI

Resources (1)



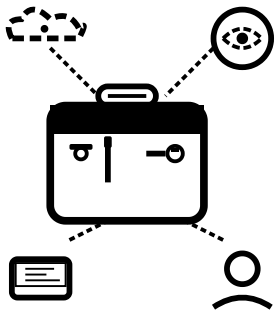
Isolated Dedicated Azure Cloud Resources

- Azure Container Registry (ACR)
- Azure Kubenetes (AKS)
- Azure App Insights, Logging and Alerts
- ...

AI

- Cursor AI (immediately)
- OpenRouter API Keys
- ChatGPT or Claude (when in need)

Resources (2)

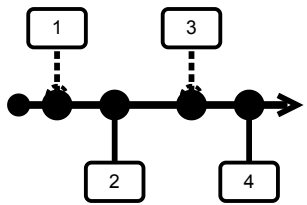


Mentors

- ThuanTV for monitoring/logging, code & system refactoring
- HuyNQ for product and general topics

Note: In the last two weeks of the program, each participant will be assigned a dedicated mentor for personalized support.

Plan



Week 1

- App set up on Azure Cloud
- Authentication and HTTPS setup

Week 2

- Production and product metrics setup

Week 3, 4

- Collaborate with mentors on features, code quality, DevOps, and architecture reviews.

Use (Cursor) AI (1)

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Getting started

- Scan the folder `inventory` to let me know the overview of it, make it short
- Read `docs/tools` and summarize the tools I need to install to get started, run quick checks to see which are available and which are not
- Read `assignments` for first task or assignment, think and dicuss with me about the `magicTurtle` topic
- Do web search for the latest stable version of `colorfulMouse`, install then test its basic function

Note: the folders and tasks are examples

Use (Cursor) AI (2)

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Learning

- Do web search on `playfulBeaver`, summarize and explain they key concepts to me
- Write a bash script for a hello world example of `angryFalcon`, then put it to the test, clean up after
- Explain what script `cat.sh` does, why line `..` has `null` in tne end

Use (Cursor) AI (3)

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Development

- Write me three scripts to deploy `metalRoost`, one script to deploy, one to check status, and one to clean it up
- Port `lightWave` to `upDown` language, keep its functionalities

Use (Cursor) AI (4)

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Testing & troubleshooting

- Script `sh` just finished running, use `quickCli` to read logs and check
- Write a script to check the status of `heavyFan`
- Pod `bigPill` keep crashing, use `shovel` to investigate

Thank You

Questions?

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