Quickbase Candidate Exercise

Senior Software Engineer | AI Team

Agenda

We have 90 minutes to get to know each other

- ## About Me

  Roughly 5 minutes to tell us about yourself and set some context.

- ## Portfolio Accomplishments

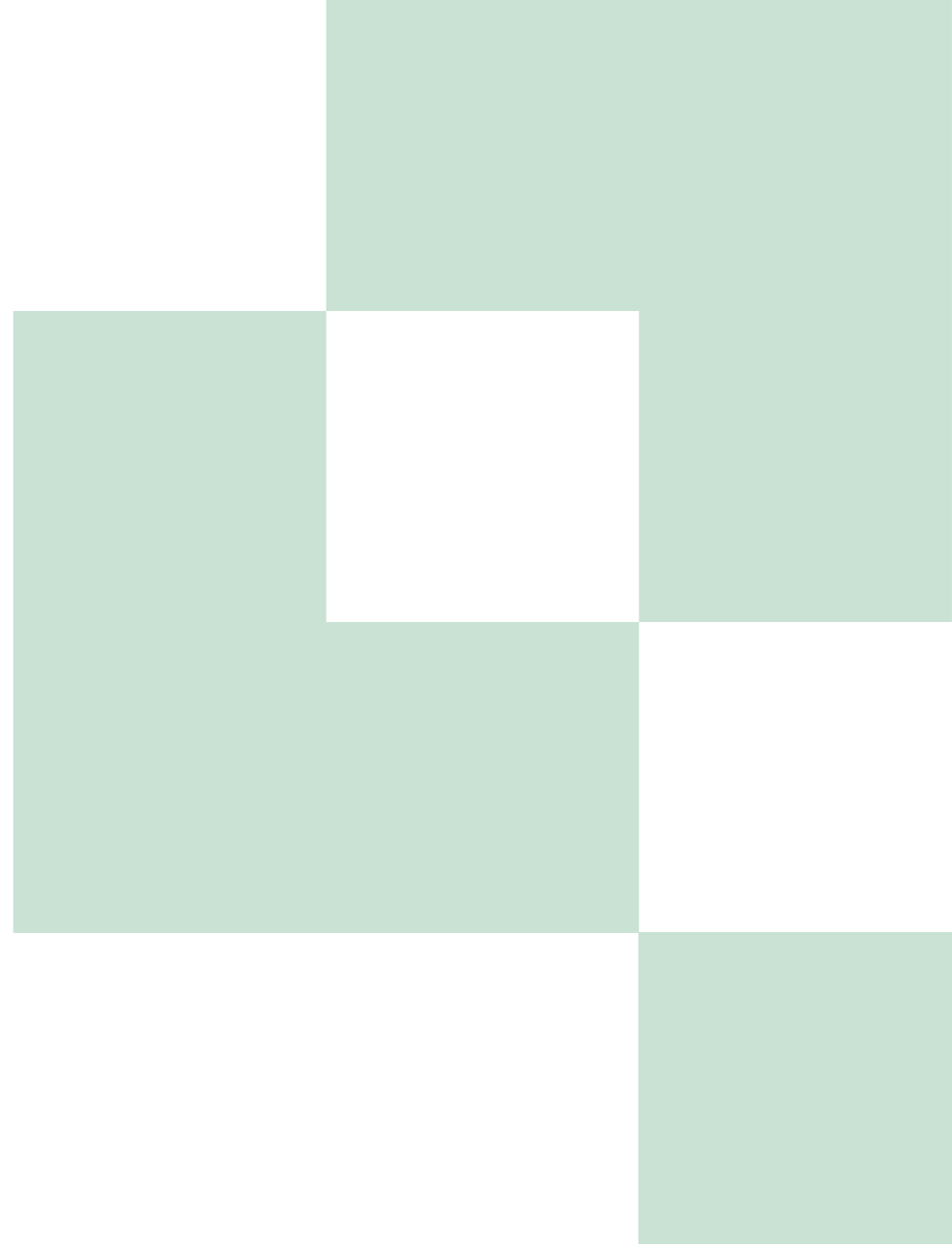 Showcase one or two career highlights. We should spend about 5 minutes on each.

- ## Craft Demo

  You should spend about 30 minutes walking through the demo. The remaining 30 minutes is for discussion.

Our goal is to have a great conversation

Hello!

Get to know me a little better

Portfolio – WHO Info App

Problem

World Health Organization information mobile applications for Android and iOS amid the start of the COVID-19 pandemic.

- Own the whole Software Development Life Cycle: communication, requirements, implementation, verification, release
- Time constraint to release within a week

Results

Learned to be accountable by action, clear communication, execute quickly, start small, and follow feedback.

- Successfully released in time for both platforms
- Android 100k+, iOS 10k+ downloads in a month
- Social access to official help info on the pandemic in 6 languages
- Business grown to 4 more apps

Accountability and proactiveness

Portfolio – CHSS Dashboards Saved Filters

Problem

Provide ability to customize dashboards by saved filters in CloudHealth Secure State SaaS platform.

- Architecture constraint of monolith implementation
- Time constraint as awaited by customers 6 months behind

Results

Learned to build and demo a Proof-of-Concept to gain stakeholders' approval, lead implementation work within the team, and drive cross-team collaboration to allow for external progress visibility.

- Broke down into 3 phases
- Clarified requirements
- Designed architecture
- Delivered successfully
- Strengthen communication

Communication and respect are key to unlock the team's success

Portfolio – CHSS Intern Project

Problem

Mentor an intern in the CHSS product team. Propose a project idea, and provide guidance and supervision for successful completion.

- Intern constraints of lack of work experience, technical knowledge, and programming skills
- Internship time constraint of 6 months
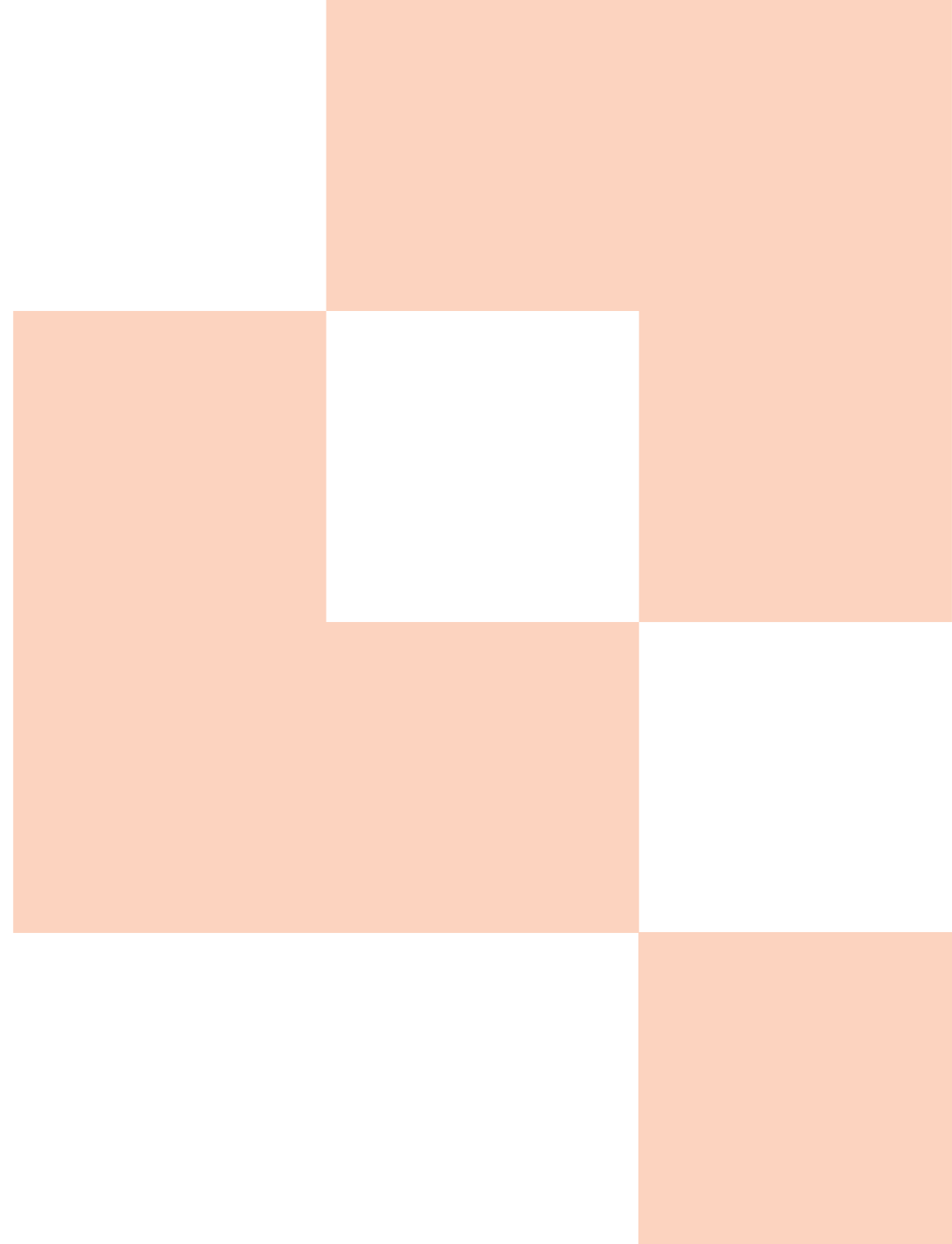- Internship project idea of ServiceNow integration

Results

Analyzed personal strengths and weaknesses. Learned to iterate with empathy and patience. The intern has been a full-time employee and team member for 2+ years.

- Prepared internship plan
- Presented successfully at intern expo
- Delivered integration to production
- Customers meetings

Consistency and persistence, iterate and improve every day

Craft Demo and Discussion

Let's look at the code!

Describe your process and blockers

Give us a little insight into how you approached the problem, where you got tripped up or stuck, and how you resolved it. We can switch between this and the actual code as you'd like.

- Review purposes: approach to solving and code implementation

- Review requirements: code quality over features

- Research scenario of multiple choice field: competitors and most popular

- Setup considerations: keep it as small and simple as possible

- Structure: no unnecessary dependencies and files

- API & Design

- Questions & Suggestions

- Setup project: HTML, CSS & TS; no framework, JSX, or style preprocessor

- Markup and layout

- Logic implementation

- Unit tests

- Optimization

- Refactor

Thank you!