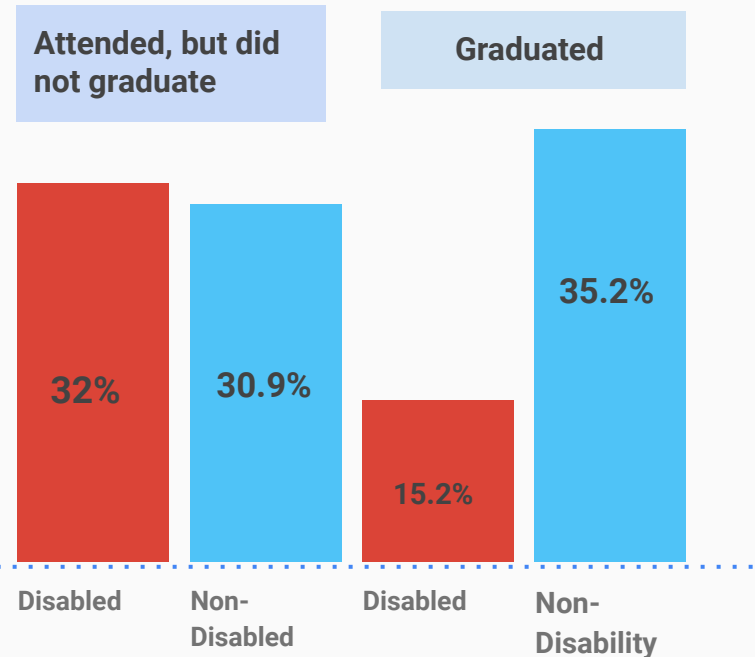# The NoteSquad

Modernizing Accessibility

Modernizing Accessibility: Helping students help each other

Students with disabilities often face more obstacles than their peers. At Universities with large student populations it can be difficult to efficiently provide appropriate accommodations to everyone who needs them.

This graph represents the number of disabled students who have only completed some college but left before graduating vs. graduated, compared with their non-disabled peers, as of 2018.

Source: https://www.disabilitystatistics.org/StatusReports/2018-PDF/2018-StatusReport_US.pdf

Attended, but did not graduate

Graduated

32%

30.9%

15.2%

35.2%

Disabled

Non-Disabled

Disabled

Non-Disability

The solution

The NoteSquad web application can help alleviate the stress placed on overburdened resources, like the Office of Disabilities, by helping the students take a more proactive role in helping each other by making it easier to connect with their peers and share resources.

The Team

Meet the StackOverflowers!

Mark Davis

Senior Software Engineer

Ethan Bauer

Design Engineer
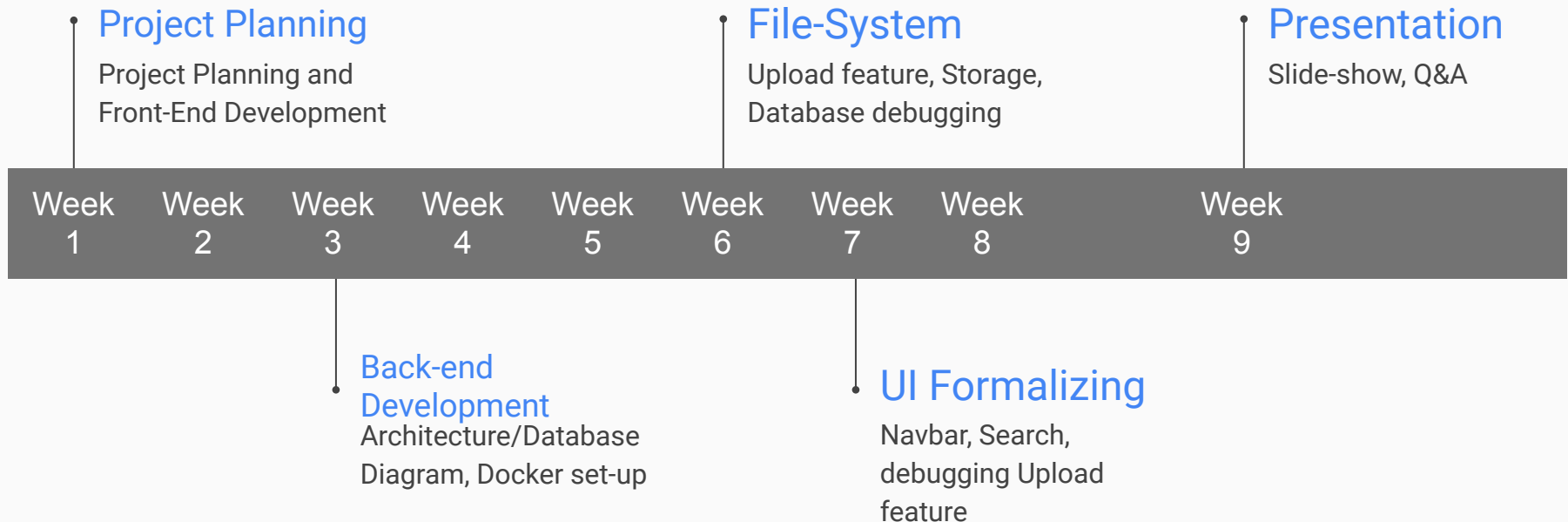
Grace Horton

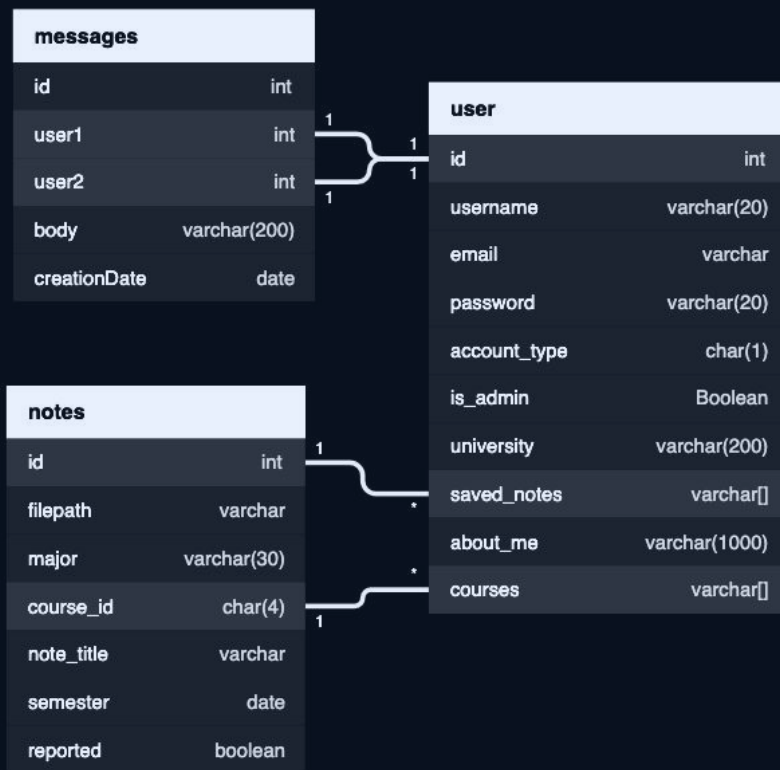Junior Software Engineer,
Creative Consultant
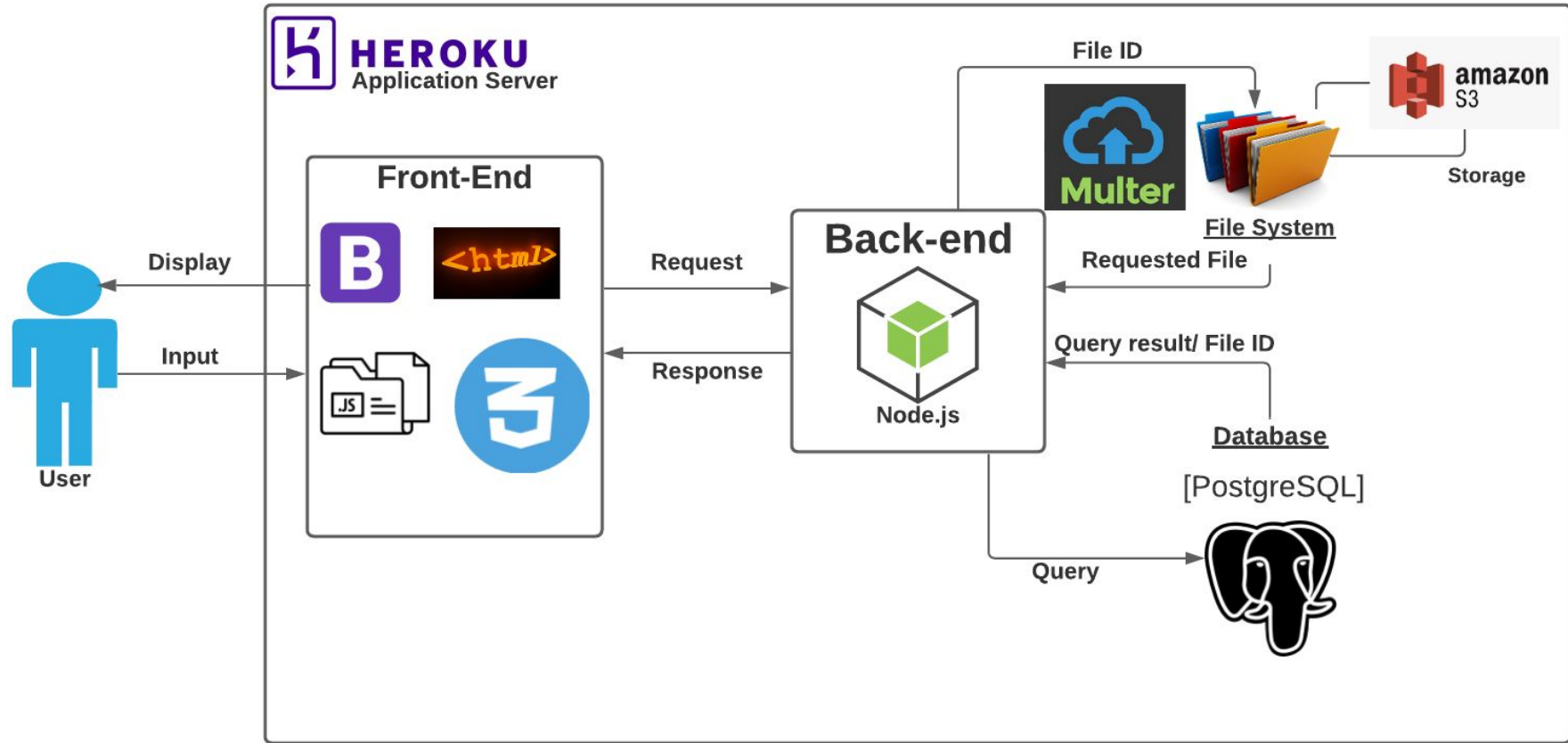
Sean Fitze

Database Expert

Timeline

February 20th - April 12th 2020

Project Planning

Project Planning and
Front-End Development

File-System

Upload feature, Storage,
Database debugging

Presentation

Slide-show, Q&A

| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 |

Back-end Development

Architecture/Database
Diagram, Docker set-up

UI Formalizing

Navbar, Search,
debugging Upload
feature

Database Diagram

Architecture Diagram

Methodologies

Scrum

Rating: 3

Agile

Rating: 3

Project Tracker

JIRA   Rating: 3

Tools

VCS:
Github

IDE:
Atom

IDE:
VScode

Deployment Environment:
LocalHost

Rating: 4

Rating: 5

Rating: 5

Rating: 5

Database:
PostgreSQL

Testing Tool:
Chai/Mocha

Framework:
Node.js

Hardware:
(Dual)Intel Core i7 Processor

Rating: 3

Rating: 1

Rating: 4

Rating: 5

Challenges

We overcame scheduling and troubleshooting challenges with flexibility and teamwork

Upload Function/Timeline Readjustments

Docker Troubleshooting

Health Problems