

Supervisor: Jim Woods

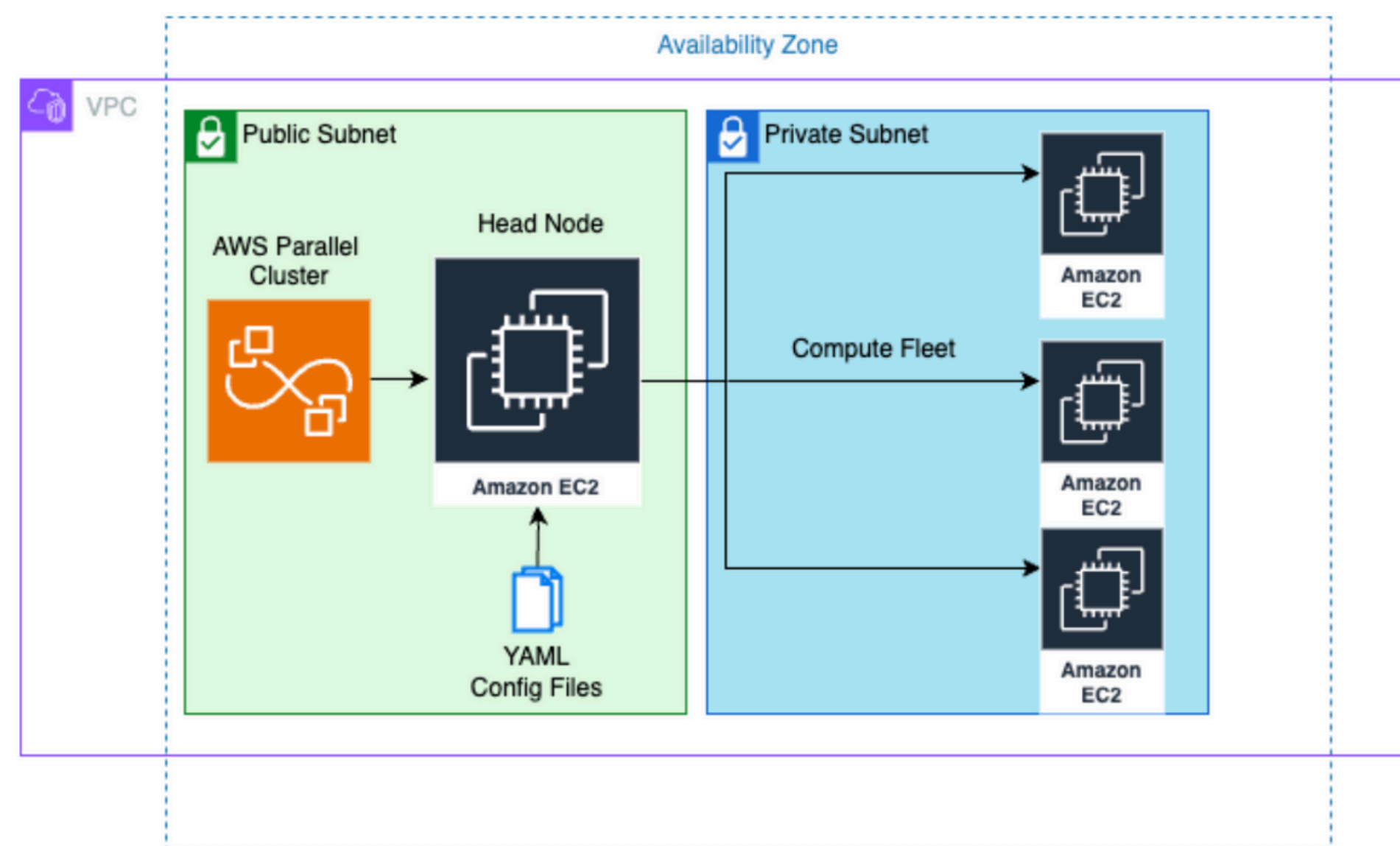
Shreyas Rajesh & Agam Makkar

Team: Campus Cloud & Identity Team

Agam

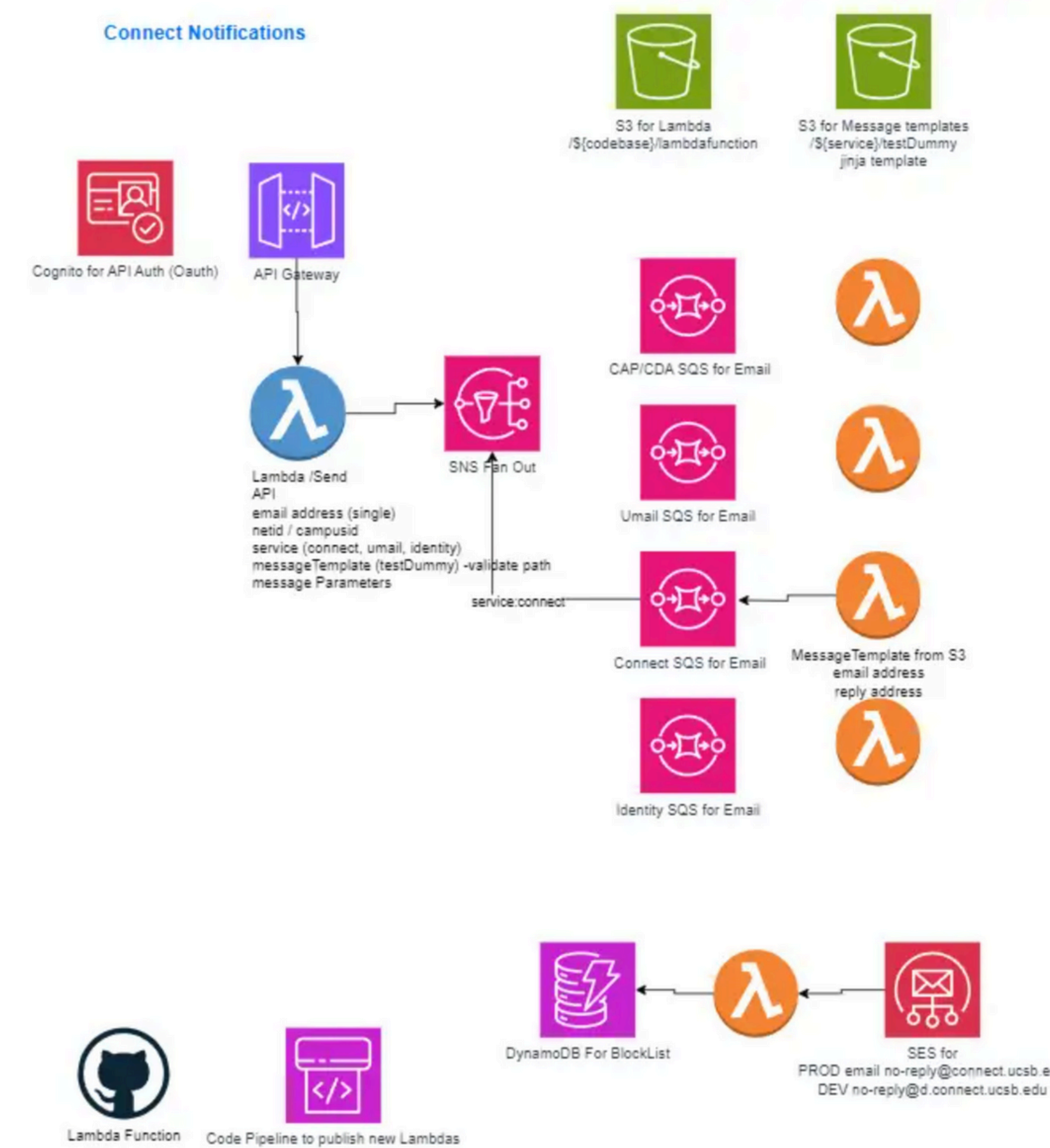
- Second year Computer Science Major
- Passionate about Cloud Computing
- Other hobbies/jobs: Cooking, Resident Assistant

Simulation on AWS Parallel Cluster



- Helped a researcher save time by running all 300 iterations in 36 hours instead of just 1
- Decreased runtime by 98% and used spot instances to decrease cost

Connect Notification System

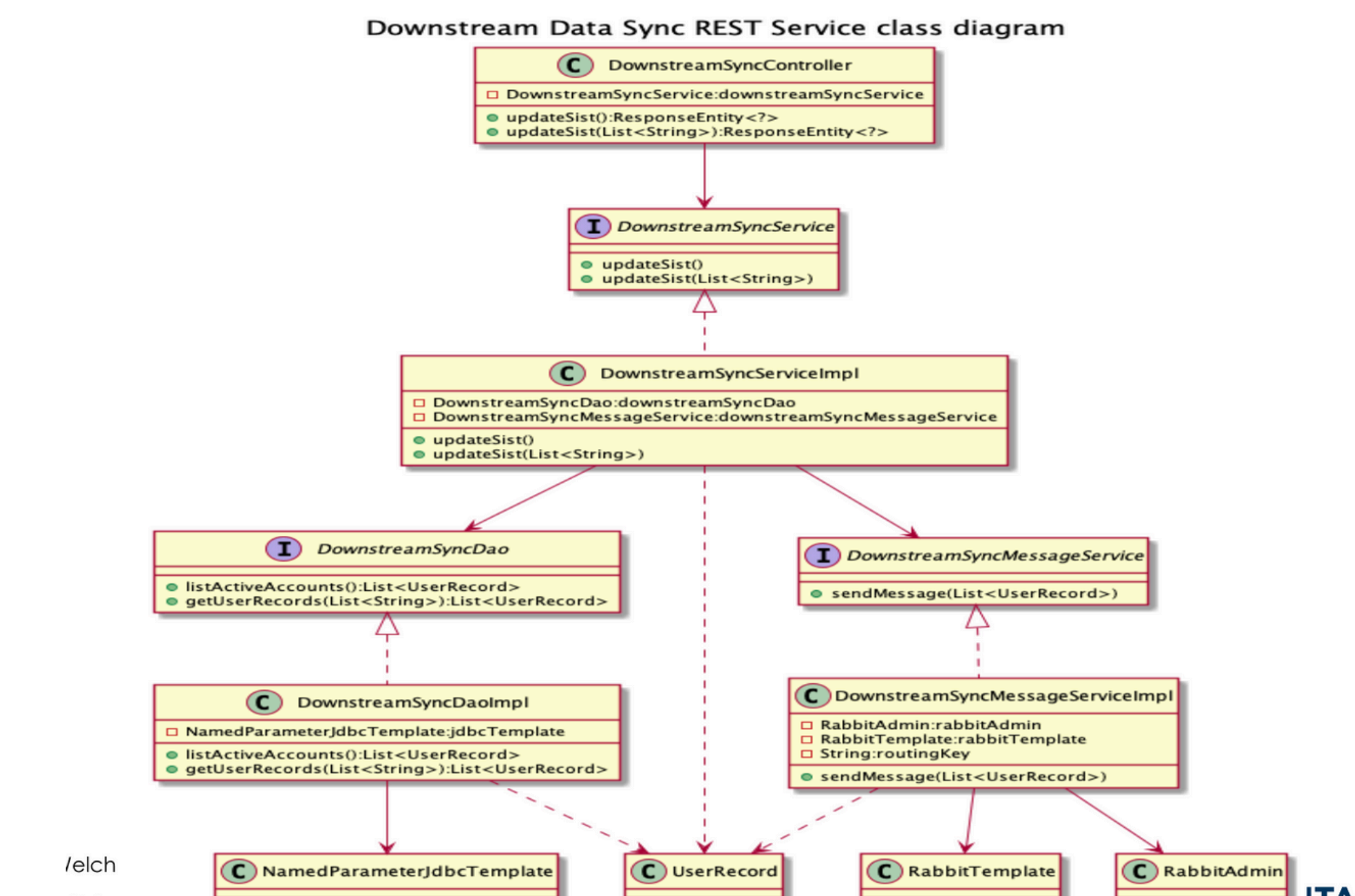


- Goal is to replace the old notification system and make it more scalable and flexible with the use of AWS infrastructure
- Connect and Identity notifications had become an inflexible amalgamation of scripts and code on numerous servers. It was difficult to use, understand, and iterate on
- The new notification system solves all of those problems with flexibility, delegation, and a unified approach

Shreyas

- Second Year Computer Engineering Major
- Pursuing career in Embedded Systems or Software Engineering
- Outside interests: Basketball, tennis, video games

DownstreamSync Backend Services



- Replacing legacy SOAP service with RESTful backend services in an enterprise Identity and Management (IAM) application
- Full Spring REST APIs implemented, efficiency + accuracy increase by 17%