

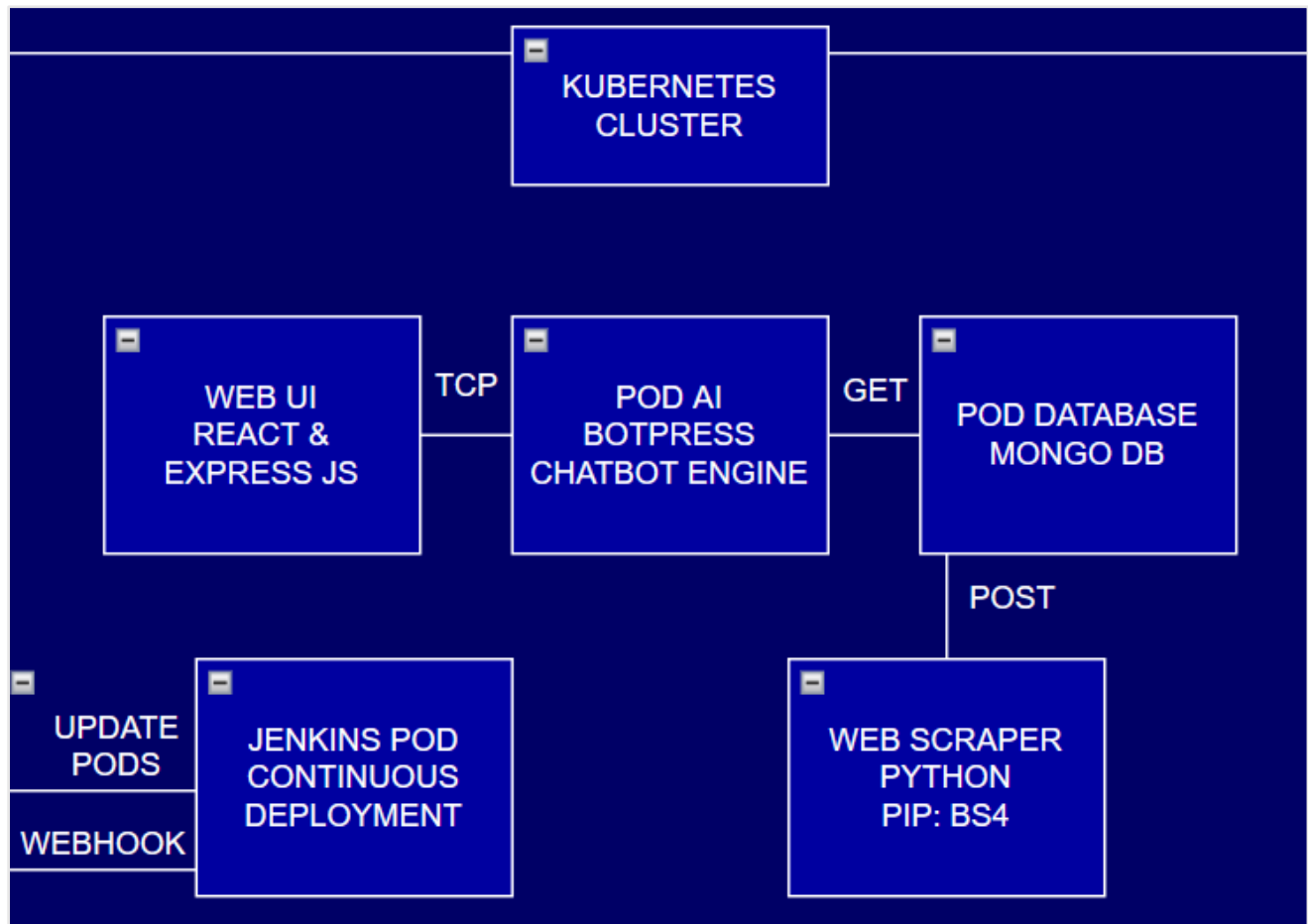
Team Name: CloudMen

CSC 468-01

## WCU Q&A Bot

Members: Kane Deiley, Daniel Muth, Calvin Miner, Peter McClelland

# Chapter 1



# Chapter 2

This project intends to allow for West Chester students to use a Q&A bot to answer any questions that they might have about the university.

The WCU Q&A Bot will be built using a Kubernetes cluster which will provide the service with resource allocation and load balancing. To provide the cluster with continuous integration and deployment we will intend to use a Jenkins server.

The Project will utilize Node.JS along with the Web App frontend server React and the backend server react to provide the user with a full web user interface. We will use an open source AI Bot called BotPress to provide our user with a fully developed bot that aids in providing responses to user questions.

The Project will utilize a Mongo DB database to store our information about the university, to which we will have http post and gets coming from the Node JS frontend and backends. The project utilizes an open source web scraper to retain this information about West Chester.

# Team Resumes:

## Kane Deiley

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(267) 374-6525 | Kpatrickdeiley@gmail.com | 22 Hollow Horn Road, Erwinna, PA 18920

### EDUCATION

#### West Chester University of Pennsylvania, West Chester PA

- Bachelor of Science in Computer Science - May 2023
- Minor in Applied Statistics
- GPA: 3.89
- Student President of Upsilon Pi Epsilon Honor Society

### RELEVANT COURSEWORK

**Project:** Developed a small web application using GitHub, JavaScript, HTML, CSS and Mongoose

**Coursework:** Data Structures | Software Engineering | Software Testing | Applied Statistics | Computer Systems | Computer Security and Ethics | Data Communications and Networking

### WORK EXPERIENCE

#### St. Luke's University Health Network, Allentown, PA

Student IT Intern – May 2022 – Present

- Excelled within a Project Management Office helping strengthen and automate procedures
- Utilized applications such as Power BI and Project to relay pertinent information to a team
- Handled vague and complex requirements in reporting and reduced them into a desired product

#### Giant Food Stores, Plumsteadville, PA

Front End Associate - April 2021 - August 2021

- Initiative shown through resolving customer issues which manifested in various circumstances
- Promotion gained within two months of work, due to exceptional customer service

### VOLUNTEERING & LEADERSHIP

#### Upsilon Pi Epsilon Honor Society – May 2021 - Present

- As Student President of the society, organized meetings and helped with outreach

#### Athletes Helping Athletes – August 2017 – June 2019

- Helped the less fortunate participate in school sports
- Presented AHA award to those chosen as the winner of the subsequent years

## SKILLS

- Proficiency in Object-Oriented Languages such as Java, Python, C
- Experience with Power BI and other languages which include R, Haskell and DAX
- Minor Web Development experience using Node.js, JavaScript, HTML and CSS

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### Daniel Muth

*As a soon to be Computer Science major, dedicated and eager to explore more of the field, sharing my knowledge, and gaining even more valuable knowledge, I am looking forward to joining a team and contributing to the company.*

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#### Work Experience

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##### Giant Food Stores – Front End Lead

April 2017 – Current

Plumsteadville, PA and West Chester, PA

- 30-40 hours a week
- Lead team of over 15-20 people per day directing cashiers, cash maintenance, and sales
- Experience in all departments of company including grocery, dairy, front end, and produce
- Leadership, time management, and communication skills required and implemented every day

##### A&S Performance – Landscaper

June – August, 2018-2019

Ottsville, PA

- 40 hours a week
- Contributor to a small team of 5 people, with direct communication to CEO of company
- Teamwork and good communication skills showed

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#### Projects

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##### Poker Simulation – Creator

- Developed java poker game, which simulates outcomes of randomized poker games, where the user plays against a simulated and randomized opponent.

##### Cloud WCU Student Chatbot – Contributor

- Ongoing project, which helps students gain easy access to information about professors for West Chester University, through a chatbot created through the cloud.

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#### Education

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##### West Chester University – B.S., Computer Science

2019 – Current

- Applied Statistics Minor
- Business Analytics Minor
- Computer Security Certificate (
- Current GPA: 3.4

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#### Skills

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- Advanced: Java; Python; MS Word; MS Excel
- Familiar: SQL; Haskell; C; C++; MySQL; MS Access; HTML;

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## Peter McClelland

PeterMcClelland0@gmail.com | (484) 364-1893 | 135 Kaiser Drive, Downingtown, PA 19335

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### Education

West Chester University of Pennsylvania, West Chester PA

Bachelor of Science in Computer Science and Minor in Applied Statistics, May 2023

- Computer Security Certification
- Current cumulative GPA: 3.4

### Relevant Coursework

- Computer Security & Ethics, Data Structures & Algorithms, Computer Systems, Applied Statistics, Intro Statistical Computing, Big Data Engineering, Software Security, Software Engineering, Topics in Complex Systems, Computer Security, Modern Malware Analysis, and Introduction to Cloud Computing

### Skills

- Experienced in Java, C, assembly/machine language, SAS, R, Python, and Jupyter Notebook, Pyspark

### Extracurricular Activities

#### **Tau Kappa Epsilon, West Chester PA**

- Hypophetes (Chaplain) (May 2021-May 2022)
- Audited over 70 students to insure high academic standards and maintained it through the year
- Planned and created quality events with multiple organizations
- Help plan and fundraise \$18,300 this year so far for multiple philanthropies like St. Jude

## **Employment**

### **West Bradford Township, Downingtown PA**

(June 2019- 2022)

- Coordinated projects with manager to get them done in an efficient and timely manner
  - Worked with team members to assign duties and tasks for projects
  - Took citizens inquiry to resolve their concerns
  - Monitored facilities and machinery for problems
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# Calvin M Miner

1 Crumley Ave Malvern, PA, 19355 | 623-640-8875 | calvin.miner.2017@gmail.com

## Education

### **Delaware County Community College**

Enrolled - November 2019 Graduated – May 2021

Associate in Science - Computer Science – Honors

### **West Chester University**

Enrolled – June 2021 Expected to Graduate – May Spring 2023 Computer Science BS

## Employment History

### **Giant Food, West Chester, Pennsylvania**

Service Associate: December 2017 – June 2020

### **Starbucks, Malvern Pennsylvania**

Barista: June 2020 - Present

## TestOut Network pro certification

- Certified 12/13/2018.
  - Cables and connectors
  - Wired networking
  - Wireless networking
  - Network connection configuration
  - Network services
  - Network security
  - Network troubleshooting
- School work:

[https://github.com/CalvinMMiner/Dccc\\_school\\_work.git](https://github.com/CalvinMMiner/Dccc_school_work.git)

- A repository holding all the miscellaneous projects I made while at Delaware county community college.

[https://github.com/CalvinMMiner/WCUPA\\_School\\_Work.git](https://github.com/CalvinMMiner/WCUPA_School_Work.git)

- A repository holding a significant chunk of my java projects from WCUPA.

#### Notable Classes or activities:

- CSC 496: Topics in Complex Systems (Edge Computing)
- CSC 471: Modern Malware Analysis
- CSC 321: Data Base Mgt Syst
- Member of the WCU Computer Science club
- Phi Theta Kappa Honor Society

#### Coding Languages

- Capable of writing code with java, python, C++, and C
- Currently learning Haskell