Collin **Kleest**

SOFTWARE ENGINEER · GREATER PHILADELPHIA AREA

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Work Experience

The Vanguard Group - Technology Leadership Program   *Malvern, PA*

DEVOPS CLOUD ENGINEER   *Apr. 2021 - Current*

- Resolved and completed platform tickets and feature requests.
- Contributed to making the overall platform more stable and reliable, by reducing cloud dependencies.
- Engineered a cloud-native platform insights tool that helped product teams and clients reduce there ECS costs.

BACKEND ENGINEER   *Aug. 2021 - Apr. 2022*

- Developed Java Rest APIs that served internal consumers, specifically APIs that delivered financial fund data. Optimized queries and algorithms to decrease response times and improve application performance.
- Designed and implemented cloud-native ETL jobs and event-driven microservice architecture.
- Performed resiliency and performance tests to ensure application stability.

APPLICATION ENGINEER INTERN   *Jun. 2021 - Aug. 2021*

- Contributed to a full-stack Angular-based College Cost Estimator web app that helps advisors and clients get an estimated cost of college for their children.
- Lead development of an electron application with a group of interns that manages Vanguard's community gardens.

Pfizer   *Collegeville, PA*

ASSOCIATE SOFTWARE ENGINEER   *Aug. 2020 - Dec. 2020*

- Contributed to a web based micro-service data processing platform that is utilized by finance and manufacturing teams.
- Improved data-processing services that were used by manufacturing facilities producing COVID-19 vaccinations.

SOFTWARE ENGINEER INTERN   *Jun. 2020 - Aug. 2020*

- Engineered a full stack web application that dynamically updates API documentation with latest releases of a set of micro-services
- Designed a front-end user interface using individual React components and built out a back-end that exposes a spring boot rest API

Education

The Pennsylvania State University   *State College, PA*

B.S. IN INFO SCIENCE AND TECHNOLOGY, FOCUS IN SOFTWARE ENGINEERING   *Jun. 2018 - May. 2021*

- **GPA:** Cumulative - 3.89, Major GPA - 4.0
- **Accolades:** Deans list every year, Richard C. Assetto, Robert and Tammy Morgan Trustee, and Hendrickson Family Trustee Scholarship
- President and Co-Founder of Emerging Technology Club
- Java Learning Assistant, Learning Assistant Coordinator, and Security Instructional Assistant

Skills

PROGRAMMING LANGUAGES: Java, Python, Typescript/Javascript, SQL

WEB TECHNOLOGIES: React, Angular, Sass, Express, Nest.js, Redux, MobX, Web Components

TOOLS: Git, Docker, MongoDB, Postman, Jinja, Behave, Cucumber, Pytest, JUnit, Jest, Cypress

OTHER RELEVANT SKILLS: AWS, CI/CD, Problem Solving, Communication, Collaboration, Leadership

Project

RCE (REMOTE CODE EXECUTOR ENGINE) HTTPS://GITHUB.COM/COLLINKLEEST/RCE

- RCE is a remote code executor application written in Typescript and Node.js. It exposes an API and websocket integration.
- It has a frontend that suports real-time updates like a google doc and supports many different programming languages.
- Behind the scenes RCE builds docker containers to run each code submission and returns standard output and error output.

VARIA (DISCORD MUSIC BOT) HTTPS://GITHUB.COM/COLLINKLEEST/VARIA

- Varia is a discord music bot written in typescript and uses discord.js to communicate with the discord api.
- Varia is scalable and can run in thousands of discord servers, it allows users to play any music that is available via the Youtube API.
- Varia uses websockets to stream the music, and provides playing, queing, pausing, stopping, searching, skipping and more functionality.