1. **Describe your experience with modifying and maintaining a large code base that you did not have a hand in building.**

I have worked on large code bases that I have not had a hand in building at a number of large companies like Amazon, Nike and Oregon State University. At Amazon I worked on the Shepherd platform which handles all information security for Amazon and Amazon partners like Ring and Twitch. The platform is maintained by seven teams of over 100 engineers, product owners, managers and support staff. It is built primarily with Java, React and AWS. The architecture utilizes a number of micro-services owned by the teams supporting the platform.

At Nike I work in logistics where we support all global product shipment across Nike including partnering with many vendors like Oracle, SAP and freight companies like Maersk. We support over 180 small micro-services in a distributed system utilizing Kafka, Java and AWS. At Cambia Health Solutions I was on the customer onboarding team supporting a Salesforce application for all of our insurance individual and business users.

Having worked on a number of large systems I can say that getting up to speed can be difficult and I have found some methods that have helped me thrive and be a valuable member of the team that I would love to bring this role at the OSU Graduate School. The first step I take is to make sure I understand at a high level what we do; for instance at Nike we handle product information as it moves from manufacturing facilities to retail stores or individual customers. The next step that I like to take is to complete a small hello world type project that involves making a small change and deploying it to a development or testing environment. One thing that was different for me at Amazon was working on a large distributed system which made it hard to pull a repository and work on it locally. Because of this I have gotten much better at developing code utilizing unit tests to check things locally before deploying to develop in environment and regression testing. Finally, I like to utilize any documentation or external tutorials I can find to fill in my missing knowledge pieces. At Nike I recently had to get up to speed on Kafka and the publisher subscriber pattern as we use this heavily in our system.

Another thing that I have found to be invaluable is a relationships with others. In my roles in Oregon state university, Nike and Amazon I developed really good relationships with my coworkers who helped me to learn when I was new. As time went on, I found that I became the one offering others help which was a very good feeling.

As far as being successful I have been found that being friendly, working hard and being humble and excited to learn can go a long way towards success. In my role at Oregon State University working in the Office of the Dean of Students I was personally asked to lead a large scale rebranding of our entire technology and data components. At Amazon, I was asked to lead the onboarding process for our entire platform. This involved a high level of customer service working with internal business partners to help them launch their new security campaigns. Part of the reason for this was my ability to get up to speed on our large code base and come up with some solutions to problems I found in my normal day to day job.

Finally, I love that this role works with student workers and I would love to help others get up to speed. I have worked as a project sponsor for the Electrical Engineering and Computer Science Department at Oregon State University and also worked as an Instructor and Teaching Assistant at OSU. I love helping others learn and I’m always looking for ways to improve code add more documentation and improve customer service through good communication.

1. **Please clearly describe your experience with the following:**

**a. Salesforce.**

I have used salesforce at both Oregon State University and Cambria Health solutions. I used it in my role at Oregon State University before accepting a position as a Salesforce Software Engineer at Cambia health solutions. In my role at Cambia, I worked on the customer onboarding team and our entire platform was built with Salesforce. During this time I worked with Apex and Lightning components handling tickets, developing new features and working with business customers. Professionally my work has almost always involved Java, JavaScript and react. I have found Apex to be similar to my work in Java and Lightning components similar to my work with react-based components.

**b. Object orienting programming languages you have experience with (e.g. Java, Apex, etc.).**

**c. Data management and ETL tools.**

**d. APIs.**

I have extensive professional and personal experience working with APIs. My primary experience is with RESTful APIs.

I am working on a personal application with no JS, react in an iOS app with Swift. My note back in is entirely built around restful API architecture. At Amazon I primarily worked on our proxy server which had a number of restful API all style architecture to other micro services in our system. I primarily utilize JSON format for transferring data between servers and very comfortable designing and supporting restful API and APIs. And they keep our team works with a lot of third-party vendors since I am in logistics like UPS FedEx Oracle SAP mascarpone with you. I routinely work with all of these different APIs and different data formats. I am currently working on a roll converting data for transfer between Mark and Nike between two endpoints.

I also have experience with authentication and authorization for restful I API architecture primarily utilizing Jason Webb tokens and also have worked

**e. GitHub.**

I have used to GitHub at Oregon State University, Cambia Health Solutions, Nike and Amazon. At Nike, Amazon and Cambia Health Solutions all of our new features and bug fixes went through a rigorous code review before being deployed to our develop and testing branches. This included using GitHub for our PR reviews and code management. I also use GitHub everyday to back up and maintain my work. GitHub has been an active part of my development everyday for the past four years.

Besides using it as part of a work requirement I also use it constantly for my own development and find it is crucial and a tool that I love and I’m glad I am able unfortunate to use. I also use get up from management some of my own personal files and have a get up account. I also use get up for managing all of my personal projects.

**f. Web technologies (e.g. HTML, CSS, JS).**

I have over seven years of experience utilizing web technologies in both the professional and personal way. I have also worked with the ECS department or senior capstone teams were primary primarily developed Webber mobile-based application utilizing these technologies lately most of what I have used in JavaScript has been react-based and I also chose to use node for my personal project back in server so I can get a lot of JavaScript developing in.

**g. Other platforms or tech stacks you have experience with.**

1. **Describe your experiences supporting end users.**

While a lot of my background is in Software Engineering I large part of my roles have been focused on supporting end users. My first job was working at Red Robin and as an undergraduate I worked part time catering and love working with and helping others. At Amazon as I took over the campaign onboarding process, I primarily supported our platform users as they launched their campaigns, required customer service or requested new features. This included facilitating meetings with managers, designers and customers to translate requests into our quarterly planning for future development. One example of a project I lead was creating automating the way campaigns where changed which reduced the workload from two engineers and allowed customers to make their own changes in a matter of minutes where before it took a couple of days to make fulfill their requests.

At Oregon State University

Nike my role is

At Cambia Health Solutions I primarily supported

In my professional roles at Oregon State University Amazon Cambria and Nike I have had a heavy focus on providing in user support. Did users have been arranged audiences from technical to non-technical and I try to tailor my communication appropriately.

At Oregon State University I worked with a lot of external partners including

At Amazon I begin fielding questions from our users which is all of Amazon employees. I was very passionate about helping people and was asked to be involved with triaging an incident when Amazon went down in Japan. Because of this roll managers had me take over the campaign on boarding process which handles all new campaigns for Amazon shortly after that I was asked to join a new team for our security platform. You can think of our new team almost as a front desk where people come with their answers well it was a front desk I still had a heavy technical role as we work to automate a lot of our previously done processes by hand.

I really love helping and working with others and absolutely loved being able to work in the division of student life at OSU. Having in my Masters degree here I also love the work done by the graduate school and would be honored to be a part of the work you are doing getting to know everyone on the team and those who help with our services.

Designing a system to be able to scale reliably efficiently and securely is useful for Systems with any number of users architectural patterns you use to build good software that can scale are the same patterns that can build good software that serves a smaller number of users.

**NOTES**

f. Web technologies (e.g. HTML, CSS, JS).

g. Other platforms or tech stacks you have experience with.

(Open Ended Question)

My primarily professional development experience has been Java, JavaScript and Apex. Academically and then research I have used python a lot and also use it extensively for working with Data. We’re working in the office of the dean of students I did a lot of work with data and reporting and excel and would use python to make my work a lot easier but I generally interface with university leadership so would turn over all of my work in written reports within design word and excel.

\* Describe your experiences supporting end users.