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Dear Hiring Manager,

I have a deep interest in accomplishing complex tasks with software to create something that can have a significant impact. I'm always eager to learn and challenge myself to tackle hard problems.

My most recent experience was at Toast, where I greatly enjoyed learning new things (especially Kotlin and dependency injection) and writing software that had an immediate impact. I worked on the PayCard team and tackled their technical debt and tickets on the backlog. The majority of my time was spent refactoring and writing new Pulsar consumer code that triggers as customers sign up for the PayCard service and change their settings. I refactored the code to use the handler pattern, breaking up a large function with many conditionals into multiple files. This greatly increased the readability/modularity of the code, and a shared interface between the handlers improved the readiness for change in the future. I used the same pattern to write code that consumes from a new Pulsar topic to change customer settings in AWS DynamoDB. Additionally, I worked with React in TypeScript on a customer-facing SPA (bug fixes, security issues, upgrading to React 18), and I moved internal API calls from deprecated to new services, which improved the stability of the team's services.

I have also worked as a software engineer intern for FreeWheel, a Comcast company. I created a novel service to capture cost metric KPIs for the Userdata team, which analyzes $3M in annual spend. In order to create the service, I had to use technologies such as Snowflake, AWS Services (CloudWatch, S3, ECR, EKS), ArgoCD, Kubernetes, Terraform, and Docker. I collaborated with the SRE team and created an observability dashboard on Grafana cloud utilizing a Prometheus push gateway. Aside from this larger project, I spent some time refactoring AWS Lambda code with the factory design pattern and contributed to an internal metric library, both of which are being adapted into production projects. This experience made me very comfortable with accepting limited project guidance and designing the best solution I could come up with.

Thank you for considering me for this position.

Best Regards,

Josiah McMenamy