

**CSS 497 Abstract Form**

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**Quarter/Year:\_\_\_\_\_\_\_\_\_\_\_Summer 2023\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Title**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Developer Experience at Bridge

During my so,ware engineering internship at Bridge, my focus was on enhancing the developer experience which led to implemen;ng two pivotal improvements. The first involved leveraging the features of Depot to significantly expedite the remote builds of Docker images. This aimed to streamline the development process to ensure faster itera;ons and development.

The second enhancement was centered around crea;ng a “god” mode within Bridge. This feature granted administra;ve users the ability to impersonate the iden;ty of other Bridge users. By being able to immerse themselves in the perspec;ve of various Bridge users, the Bridge admin could observe how the Bridge so,ware func;ons firsthand. This will help with iden;fying poten;al bugs unique to different users.

Collec;vely, the two ini;a;ves sought to transform the development workflow. By u;lizing Depot’s remote Docker image building capabili;es, we dras;cally minimized build ;mes, fostered greater efficiency and produc;vity among the en;re Bridge team. Simultaneously, the introduc;on of the “god” mode for administrators enabled for a more comprehensive and immersive approach to tes;ng, allowing to detect and rec;fy issues early.

The impact of these improvements very important: developers at Bridge will now experience a heighted produc;vity through faster image genera;on, and the overall so,ware quality now has the poten;al to be substan;ally boosted as Bridge administrators can now proac;vely address poten;al bugs for different users. This double sided approach not only op;mized the technical process but also demonstrated a keen understanding of the user-experience.

In all, my so,ware engineering internship was greatly defined by the success of two key features. Through the integra;on of Depot and “god” mode within Bridge, I realized how these features can actually be of use firsthand. This internship not only underscored the technical innova;ons, but also highlighted the value of stepping into users’ shoes to develop a more refined so,ware product.

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