billie app - Cloud Native Application Development in Open Source

YoppWorks as IT consultants, planned and built a consolidated IT system and associated managed services, using Reactive Architecture, cloud-native microservices, open source software and GCP, for the billie Software-as-a-Service (SaaS) offering.

The challenge

The billie team had developed the backend using a legacy approach that had performance and scalability limitations. It needed to scale with customer demand, as well as be responsive to requests from the user app, thus ensuring a positive user experience. Third-party calendar integration capability and in-depth analytics were also crucial aspects. Thus, they turned to YoppWorks' expertise in GCP.

The solution

YoppWorks successfully delivered the backend using the following: Google Kubernetes Engine (GKE) - for hosting the micro-services cluster; Google Compute Engine (GCE) - for hosting stateful services e.g. Cassandra; Cloud SQL (Postgres); Cloud Logging and Storage; Network Services; and Identity Access Management (IAM). This was done via Agile methodology with guidance to the billie technical teams.

The results

billie app is an extremely cost-effective solution, due to the lower server costs associated with GCP. Developer productivity has also improved dramatically within the billie team, leading to more frequent roll-out of business differentiating features. SaaS up time is also vastly improved, thanks to the GCP SLAs, as well as general systems monitoring and networking capabilities.

> **❝** Working with Yoppworks and moving to Google Cloud Platform has allowed us to increase our development team's productivity while decreasing infrastructure costs. It is wonderful being able to manage and monitor our entire stack in a single platform. **❞**
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> Jesse Webb, Software Architect, billie App

About billie app inc.

billie™ is a leading platform for workplace transformation. It provides an organization's people with effective communication and productivity tools that drive key decisions on corporate real estate use. Professional Services organizations like Deloitte, and commercial real-estate firms such as Cresa meet their clients' office needs with billie™.

Industry: Software & Internet

Primary project location: Canada

About YoppWorks Inc.

YoppWorks modernizes enterprise IT systems via our industry-leading expertise in Reactive Architecture, application development and cloud migration.

Products

Google Cloud Platform