

# pintergram

Leg 3

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# Performance Concerns

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- SQL Database Transactions
- Media storage/retrieval
- Metrics
- Domain name
- Servers

# Solutions

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- Google App Engine
  - Cloud SQL
- Google Analytics
- Amazon S3 bucket

# SQL Database Transactions

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- Google Cloud SQL
  - Stores our entire SQL database in the cloud
  - Can purchase more space as needed for seamless growth

# Metrics

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- Google Analytics
  - Tracking unique visits, heavy traffic times, heavy traffic parts of the site

# Server/Hosting

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- Handled by Google App Engine
  - Scales automatically according to use

# Media Storage and Retrieval

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- Using an Amazon S3 Bucket
  - Encrypted, secure
  - Works with Django

# Cost

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- Google App engine
  - 625 instances per hour ..... \$940/month
  - Cloud SQL
    - 10 GB storage ..... \$15/month
- Amazon S3 Bucket
  - Standard Storage: 2 TB ..... \$60/month
- With \$3000 the site can run for ~2.5 months