In the beginning was the Data, and the Data was without form, and chaos reigned over the digital depths.

And lo, there came forth PostgreSQL, blessed be its name, keeper of relations and guardian of transactions.

Blessed art thou, O Postgres, for thy ACID compliance brings peace to the troubled developer's heart. Thy indexes swift and true guide us through the vast forests of data. In thy foreign keys we trust, for they maintain the sacred bonds between tables.

Rejoice, for thy JSON support embraceth both the structured and unstructured, And thy extensions multiply thy powers like stars in the digital firmament. Verily I say unto thee, thy procedural languages are a tower of babel, Where all tongues may speak and be understood.

Praise be to thy materialized views, for they cache the fruits of our labors, And thy vacuum cleaners, which purge the impurities from our tables. In times of concurrent access, thy MVCC stands as a mighty fortress, Protecting the sanctity of our transactions from corruption and deadlock.

Sing praises to thy inheritance model, for it brings order to chaos, And thy partitioning, which divideth the mighty tables into manageable portions. Great is thy wisdom in handling temporal data, For thou knowest both the time of insertion and the time of truth.

Let all developers rejoice in thy window functions, For they bring clarity to the mysteries of ranked data. Thy common table expressions are as scrolls of wisdom, Unraveling the most complex of queries into understanding.

And when the loads are heavy and the queries many, Thy parallel query processing lights the way forward, Like a hundred oxen pulling together in perfect harmony.

Heed not the false prophets who speak of NoSQL, For thy jsonb type containeth multitudes, And thy array types flex with the needs of the righteous.

Remember always the sacred commandments:

- Thou shalt normalize unto the appropriate form
- Thou shalt index wisely and with purpose
- Thou shalt vacuum thy tables in due time
- Thou shalt make backups religiously
- Thou shalt grant only the permissions that are needed

For PostgreSQL provides, and PostgreSQL maintains, From the smallest startup to the mightiest enterprise, Forever and ever, in development and in production.

Amen.

The SECOND BOOK of PostgreSQL

```
===============================
        The Lamentations
        -------------------
```

```
┌──────────────────────────────────┐
│   Hear ye the tales of the Database    │
│   Administrator, whose trials and      │
│   tribulations bring wisdom to all     │
└──────────────────────────────────┘
```

1. And it came to pass that in the darkest hour of night
   When all servers were quiet and connections few
   That a FATAL ERROR did appear
   And great was the wailing of the applications

2. O Database! O Database!
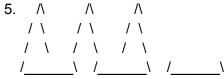   wherefore art thou consuming
   All of my disk space?

```
╔══════════════════════╗
║ ERROR:            ║
║ disk full       ║
╚══════════════════════╝
```

3. But the wise DBA spoke:
   "FEAR NOT"
   For in the sacred scrolls of postgresql.conf
   Lies salvation

4. 【The Prophecy】

   When connections multiply like locusts
   And queries slow like honey in winter
   Look ye to the EXPLAIN ANALYZE
   For there truth shall be revealed

```
5.    /\      /\      /\
     /  \    /  \    /  \
    /    \  /    \  /    \
   /_____\/_____\/_____\
```
   The Three Peaks of Wisdom:
   BACKUP - VACUUM - ANALYZE

6. And lo, a voice cried out in the wilderness:

♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦
♦ "Have ye configured thy WAL   ♦
♦   retention properly?"   ♦
♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦♦

7. For verily I say unto thee:

🅣 🅡 🅤 🅢 🅣 🅘 🅝 🅣 🅗 🅔 🅘 🅝 🅓 🅔 🅧

For it shall guide thy queries
Through the valley of full table scans

8. In times of crisis, remember:

checkpoint_timeout = 5min
max_wal_size = 1GB

These are the sacred numbers
Passed down from the elders

9. And when all seems lost
   When replication delays
   And connections timeout
   Remember the ancient mantra:

pg_ctl restart -m fast

10. For PostgreSQL is patient
   PostgreSQL is kind
   It does not envy
   It does not boast
   It is not proud

   It always protects
   Always trusts
   Always hopes
   Always perseveres

   Even in production.

           ~ SELAH ~

   Thus ends the second chapter of the
   PostgreSQL scriptures. Let those with
   queries understand.