ESPORTBOT – TECHNICAL FACTSHEET

Enterprise-Grade Discord Bot Infrastructure

Security & Trust

Enterprise Security
- Row-Level Security (RLS) on all database tables
- 100% parameterized queries (zero SQL injection risk)
- SSL/TLS encryption, OAuth2 authentication
- Rate limiting and DDoS protection
- Cross-Site Request Forgery Protection
- Automated security updates and monitoring

Data Protection
- PostgreSQL enterprise database with automated backups
- Environment-based secrets management
- Role-based access control (RBAC)
- Multi-tenant data isolation

Performance & Reliability

Metrics: < 200ms response time | < 1s page load | 99.9%+ uptime | 1,000+ concurrent users

Infrastructure: Enterprise cloud hosting | Connection pooling | Async architecture | Optimized indexes

Technology Stack

Python 3.x | PostgreSQL (managed) | Discord.py | Flask | Ubuntu LTS | Gunicorn + Nginx | SSL/TLS

Scalability

300+ Discord servers | 10,000+ server scale ready | Modular architecture | Zero-downtime updates | Horizontal scaling ready

Enterprise Features

Multi-server management | Centralized dashboard | REST API | Webhook support | Automated backups | Real-time monitoring

Built for scale. Designed for reliability. Secured for production.