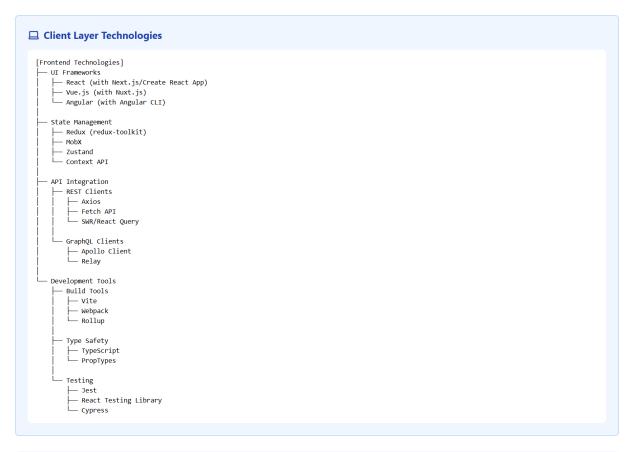
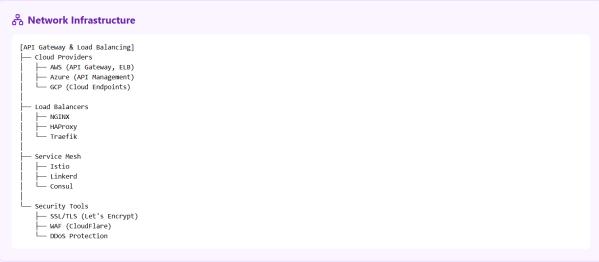
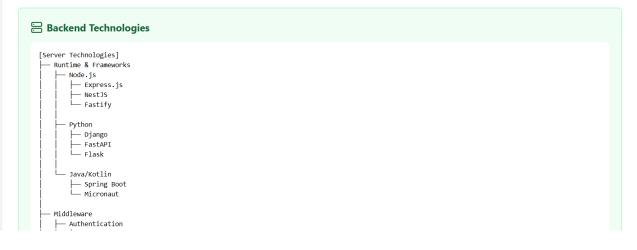
Full-Stack API Architecture with Technology Stack







```
| Passport.js
| JWT
| OAuth2
| Validation
| Joi
| Yup
| Logging
| Winston
| Pino
| Morgan
| API Specifications
| REST
| GraphQL
| gRPC
```

```
Data Storage & Processing
  [Database Technologies]
     - Relational Databases
       ├─ PostgreSQL
          ☐ Extensions (PostGIS, TimescaleDB)
         MySQL/MariaDB
      SQLite
     - NoSQL Databases
      ├─ Document (MongoDB, CouchDB)
       — Key-Value (Redis, DynamoDB)
      Graph (Neo4j)
      ORM/ODM
      ├─ Sequelize
       — Prisma
        — TypeORM
      Mongoose
    — Database Tools
      ☐ Migrations (Flyway, Liquibase)
☐ Connection Pooling (PgBouncer)
      └─ Backup Solutions
```

```
[Development & Operations]
    Container Technologies
      — Docker
      Kubernetes
     L Docker Compose
     ├─ GitHub Actions
├─ Jenkins
     GitLab CI
    - Monitoring
     ├─ Application (New Relic, Datadog)
      — Logging (ELK Stack)
     APM (Application Performance)
    - Cloud Services
     ├─ AWS (EC2, Lambda, S3)
      — Azure (App Service, Functions)
     GCP (Cloud Run, App Engine)
```

