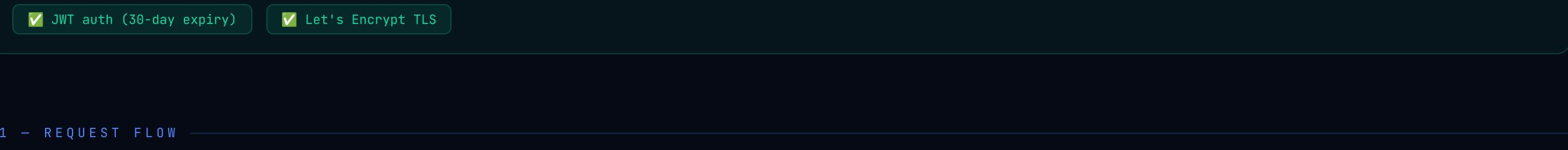
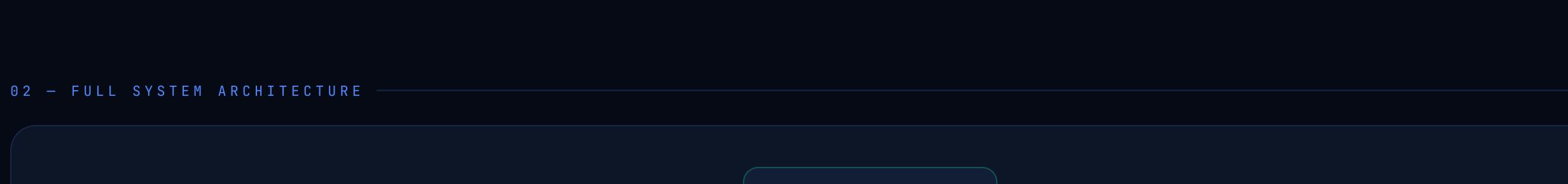


ExamHub Architecture

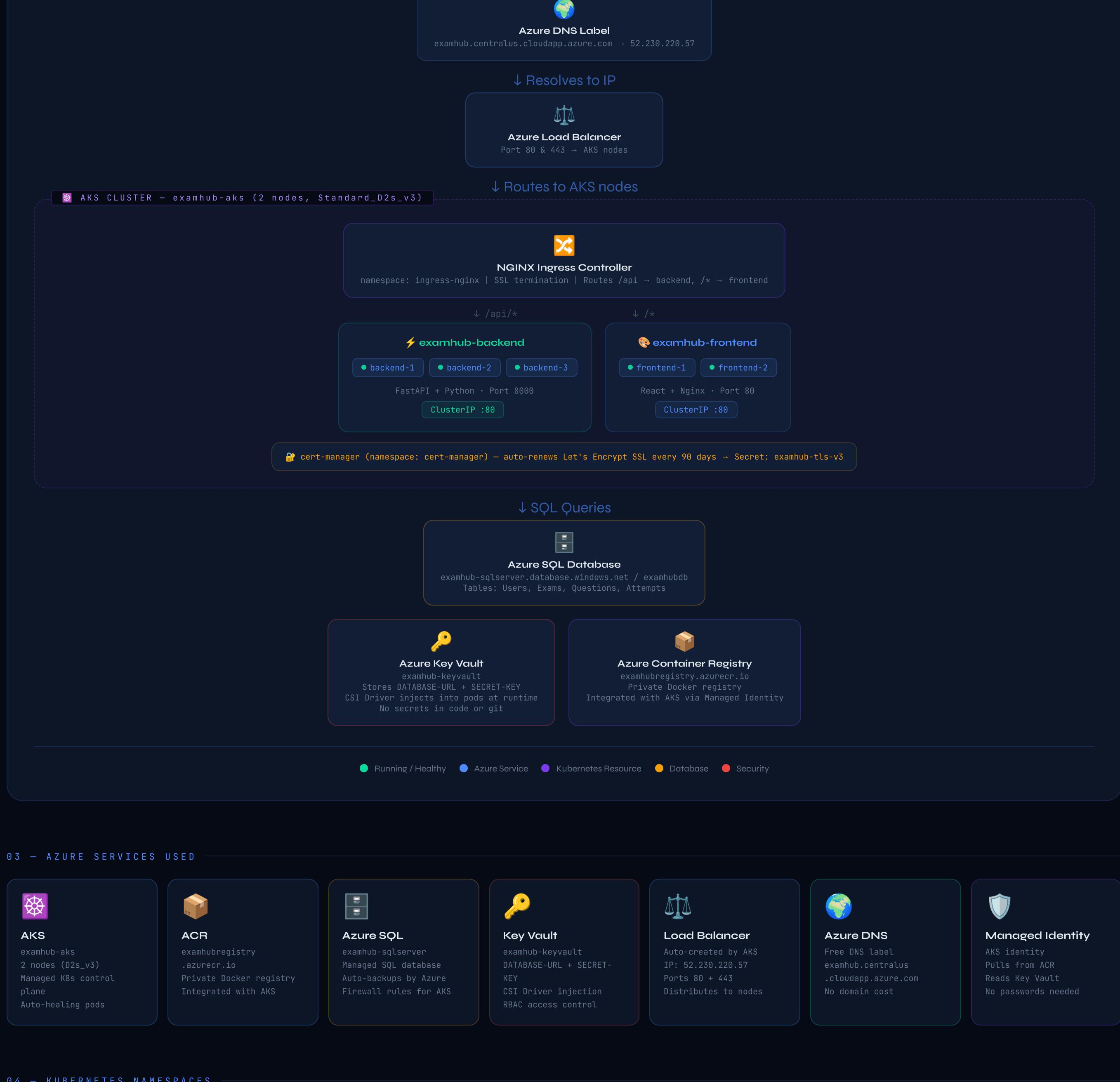
React + FastAPI → Docker → ACR → AKS → HTTPS + Key Vault



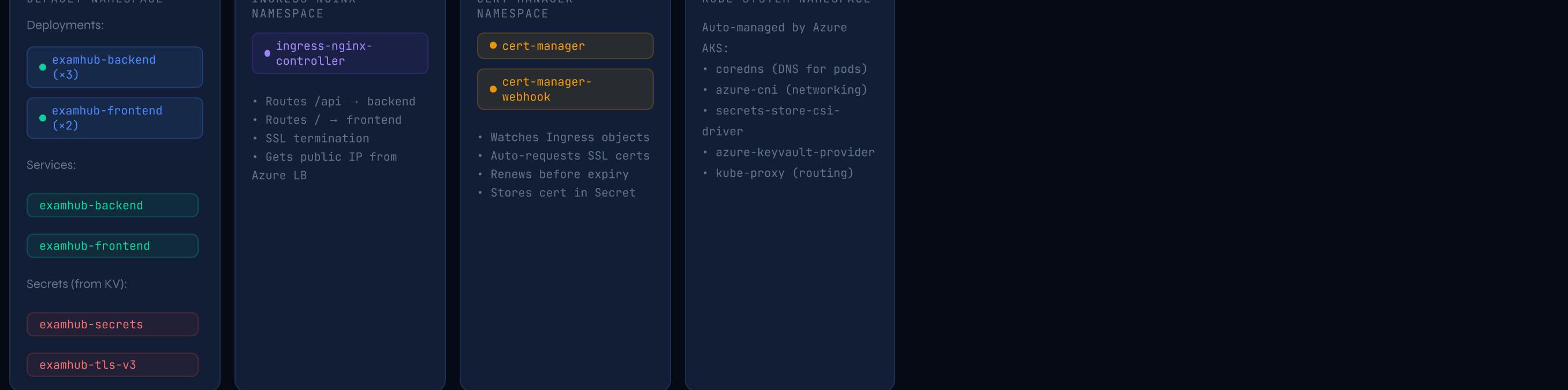
01 - REQUEST FLOW



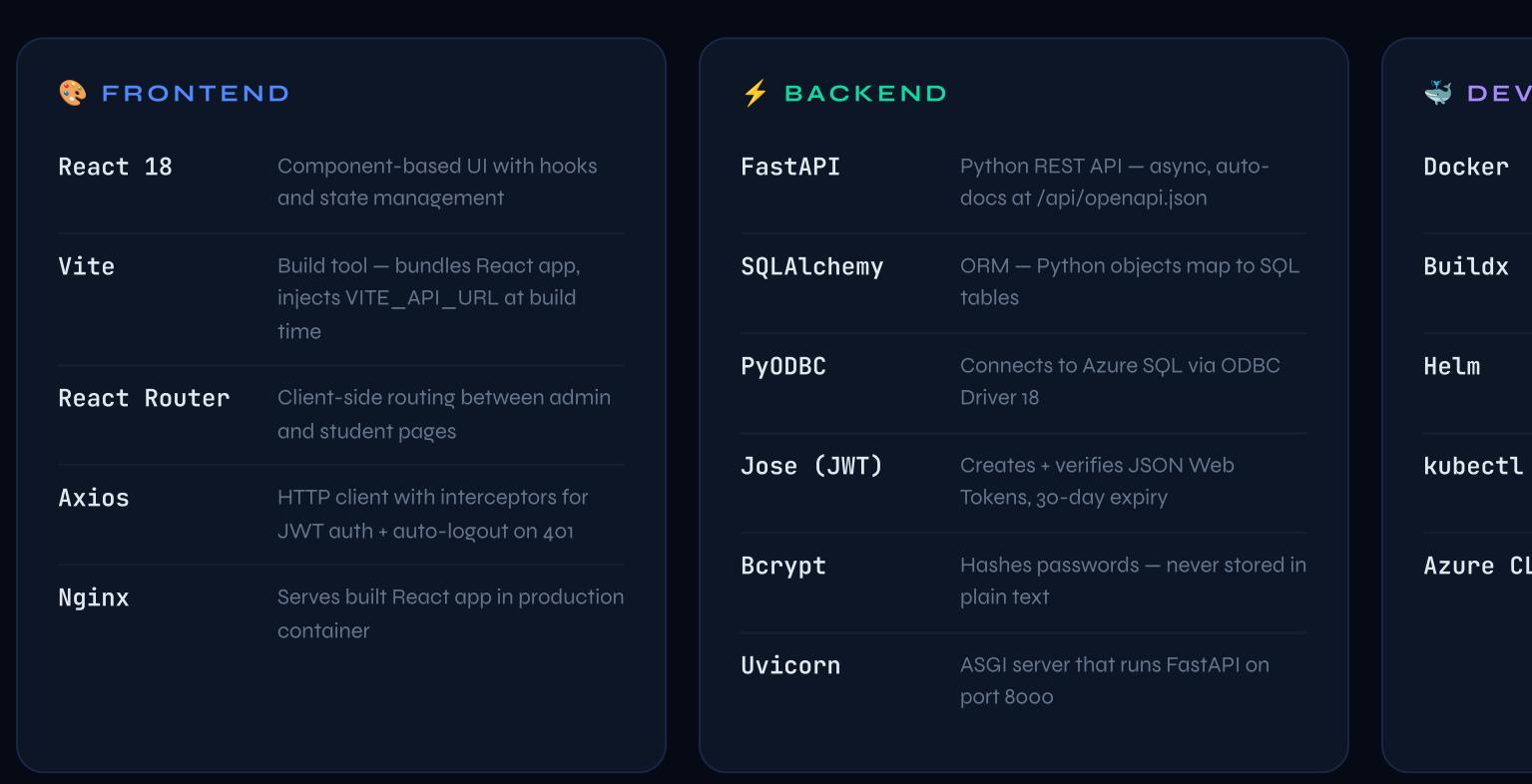
02 - FULL SYSTEM ARCHITECTURE



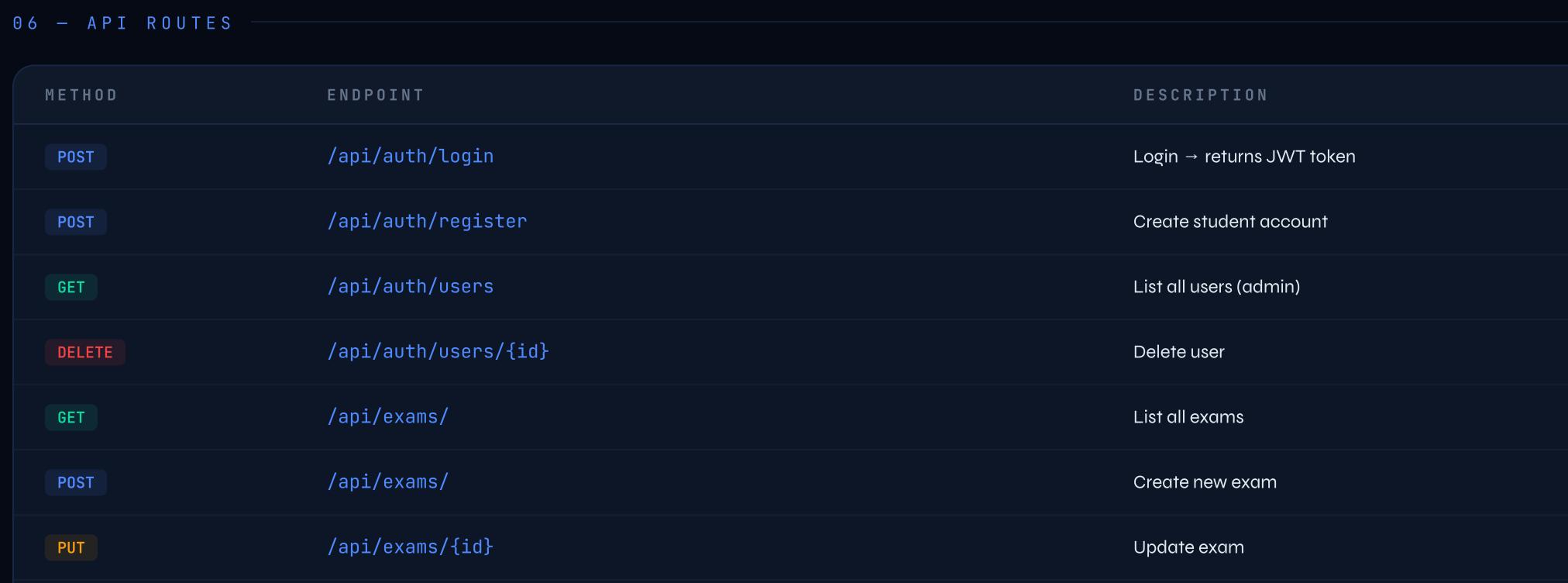
03 - AZURE SERVICES USED



04 - KUBERNETES NAMESPACES



05 - TECHNOLOGY STACK



06 - API ROUTES

METHOD	ENDPOINT	DESCRIPTION	AUTH
POST	/api/auth/login	Login → returns JWT token	✗ None
POST	/api/auth/register	Create student account	✗ None
GET	/api/auth/users	List all users (admin)	✓ JWT
DELETE	/api/auth/users/{id}	Delete user	✓ JWT
GET	/api/exams/	List all exams	✓ JWT
POST	/api/exams/	Create new exam	✓ JWT
PUT	/api/exams/{id}	Update exam	✓ JWT
DELETE	/api/exams/{id}	Delete exam	✓ JWT
GET	/api/exams/stats/overview	Dashboard stats	✓ JWT
GET	/api/questions/{exam_id}	Get questions for exam	✓ JWT
POST	/api/questions/	Add question to exam	✓ JWT
DELETE	/api/questions/{id}	Delete question	✓ JWT
POST	/api/attempts/submit	Submit exam answers → returns score	✓ JWT
GET	/api/attempts/history/{user_id}	Student's past attempts	✓ JWT
GET	/api/attempts/all	All attempts (admin view)	✓ JWT

07 - ENDPOINTS & RESOURCES

