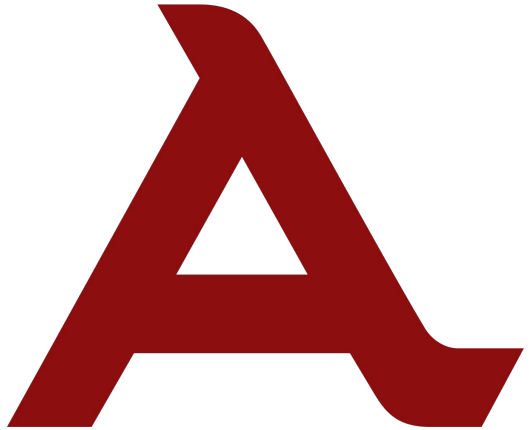
Software solutions engineered for success



ABNK

We leverage our software expertise and our passion for innovative solutions to deliver tangible value to our clients and meet end-user needs:

- assist people in controlling their state of health
- enable users to enjoy sports-related applications
- optimize farming processes, enhance food sustainability
- collect, process, and relay vital data from street/ bus stop devices, including air pollution abnormal sounds (e.g. gunshots), to dedicated services in real-time

ABNK Values

Professionalism

we actively listen to our clients and apply our expertise and skills to deliver precise solutions that yield desired results.

Transparency

we strive to create win-win relations with our customers, fostering transparency with our partners, team,and the community around us.

Dedication

execution of tasks and completing them to the customer's full satisfaction.

Quality

excellence is the cornerstone of our success. We meticulously control and assure the quality of our software throughout every stage of the project.

Efficiency

we optimize resources to maximize value for our customers. Our commitment to high performance ensures exceptional results for our clients. Our track record speaks for itself!

ABNK in numbers

50+	70%	17+ years	20+ years
Professionals	Line-up seniority	Software experience	Business experience

ABNK in the World

ABNK Technologies

BA/UX

- Miro
- Figma
- Moqups
- Google Docs
- Paper + Pen

PM

- JIRA
- Confluence
- YouTrack
- Trello
- Slack

Backend

- .Net
- NodeJS
- PHP
- Ruby on Rails

DBMS

- MySQL
- PostgreSQL
- Microsoft SQL
- MongoDB
- Redis

SCM

- Bitbucket
- GitHub

Frontend

Web

- ReactJS
- Angular
- VueJS
- Typescript

Mobile & Desktop

- React Native
- Flutter
- Swift
- Kotlin
- MAUI

QA

- Unit tests
- Manual testing
- Load testing
- Automation testing

DevOps

- AWS
- Azure
- Kubernetes
- Docker
- CI/CD

Project Management flow

Project Initiation

Define project scope, objectives, and requirements with the client, establish a shared understanding of project goals and expectations.

Artefacts

Statement of Work (SOW)

Planning

Develop a comprehensive project plan, including timelines, resources, and budgets.

Artefacts

Project Plan, Gantt Chart, Resource Allocation Plan, Budget Plan

Execution

Implement the project plan, following the defined **SDLC** phases for software development.

Artefacts

Software Requirements Specification, Design Documents, Codebase, Test Cases

Monitoring & Control

Track progress, identify & address any deviations from the plan, ensure compliance with the SOW.

Artefacts

Project Status Reports, Change Requests, Issue Logs, Risk Register

Closure

Review completed SOW for client acceptance, document any changes/deviations, and formally close the project.

Artefacts

Project Closure Report, Final Deliverables, Client Acceptance Form, Lessons Learned Report

SDLC lifecycle

Requirements Gathering

Collect and document the functional and non-functional requirements of the software project.

Artefacts

Requirements Document
User Stories
Use Cases
Requirement Traceability Matrix

Analysis and Design

Analyze the requirements and design the system architecture, database schema, and user interface.

Artefacts

System Architecture Design
Database Design
User Interface Design
Data Flow Diagrams
Class Diagrams

Development

Write and test the software code according to the design specifications and requirements.

Artefacts

Source Code
Unit Test Cases
Test Data
Test Results
Code Review Reports

Integration and Testing

Integrate components of the software system and conduct testing (e.g., functional, performance, security).

Artefacts

Integrated Software System
Test Plans
Test Cases
Test Results
Defect Reports

Deployment

Deploy the software to the production environment and make it available for end-users.

Artefacts

Deployed Software
Deployment Instructions
Release Notes
User Manuals

Maintenance

Provide ongoing support, bug fixes, and updates to the software during its operational life cycle.

Artefacts

Bug Reports
Change Requests
Maintenance Requests
Patch Releases
Change Management Records

Kick-off analysis

1. **Process**

   Our business analyst identifies stakeholder expectations through research and effective communication

2. **Time effort**

   16-24 hours

3. **Goals**

   define project scope, identify stakeholders, define business objectives, develop a solution strategy

Discovery phase

1 **Time effort**

24-40 hours*

2 **Deliverables**

Business Requirements Document (BRD), Main Use Case Scenarios, Functional Decomposition Diagram, Roles & Permissions Matrix, Non-functional Requirements, Glossary, Entity Relationship Diagram (ERD), Context Diagram

* depends on the project scope. Projects over 600 hours will require additional time investment for discovery, which will be defined based on the kick-off analysis findings.

Client Collaboration & Risk Management

Client Collaboration Formats

- Dedicated team
- Distributed teams collaborating with client's side teams

Risk Management Strategy

- Estimates contain uncertainty risks
- Transparent communication of risks & response options to the client
- Collective ownership with team members caring about their tasks

Estimation Approach

- PERT-based estimation
- Estimation based on confidence level

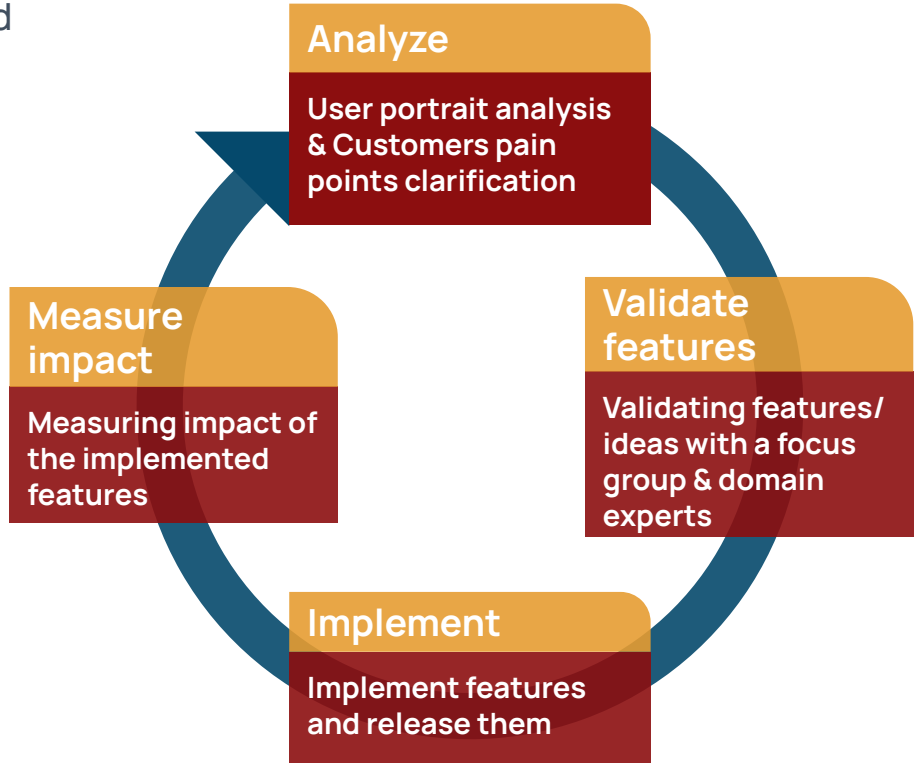
BA & UX as a service

"Our focus is on delivering solutions with the highest value for our client"
ABNK BA & UX Department

- ➔ **Focus:** delivering value to both the business and the users
- ➔ **Goal:** boosting project efficiency
- ➔ **Approach:** tailored to each project, client, and product

Four key BA directions we offer:

- ❑ **Discovery phase** - clarify client's product vision, create a detailed roadmap and feature list
- ❑ **Requirements management** - detailed specification, brainstorming, and refinement of client's ideas
- ❑ **Classic business analysis** - leveraging digital transformation to enhance client's business efficiency
- ❑ **UX Research and Prototyping**



Development process and best practices used

General flow setup

- ❑ Plan architecture
- ❑ Set up infrastructure (DEV, STAGE environments)
- ❑ Set up git strategy
- ❑ Set up coding standards

Implementation

- ❑ Perform technical design
- ❑ Estimate, using PERT and Confidence level techniques
- ❑ Write maintainable and reusable code
- ❑ Conduct initial dev-testing
- ❑ Create unit tests
- ❑ Conduct code review

Quality Assurance

Processes

- ❏ Web and mobile testing
- ❏ API Testing (Postman, Charles)
- ❏ Design Testing
- ❏ Requirements Analysis & Testing
- ❏ Feature Testing
- ❏ Regression Testing
- ❏ End-to-end testing

Key Artifacts

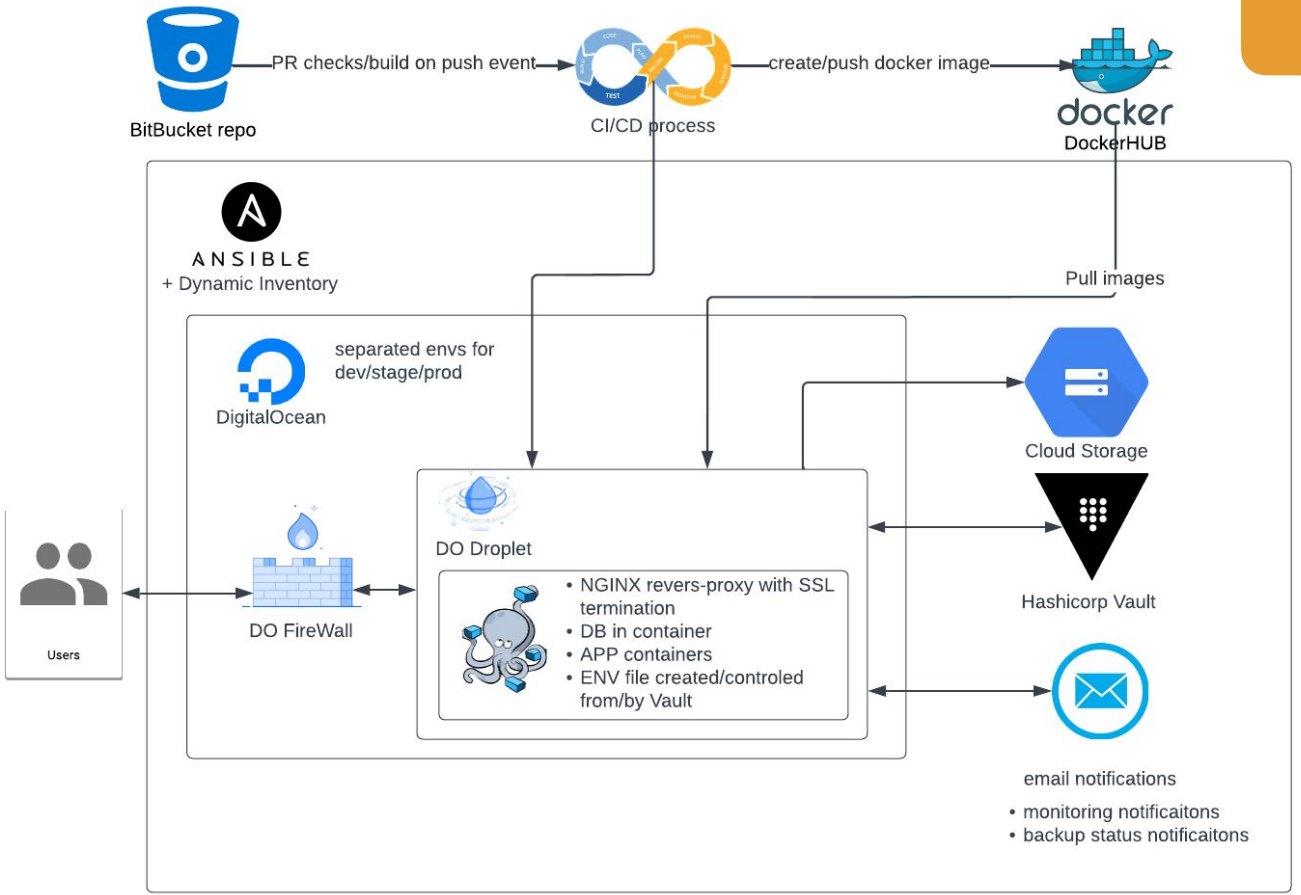
- ❏ Test plan
- ❏ QA Checklist
- ❏ Test Cases
- ❏ QA reports
- ❏ Requirements Traceability Matrix

Deployment

- Creation of Deployment Scenarios and Rollout Strategies
- Continuous Integration and Continuous Delivery setup
- Production environment setup and deployment
- Mobile applications release in AppStore and Google Play

CI/CD ecosystem

Example



CI/CD ecosystem

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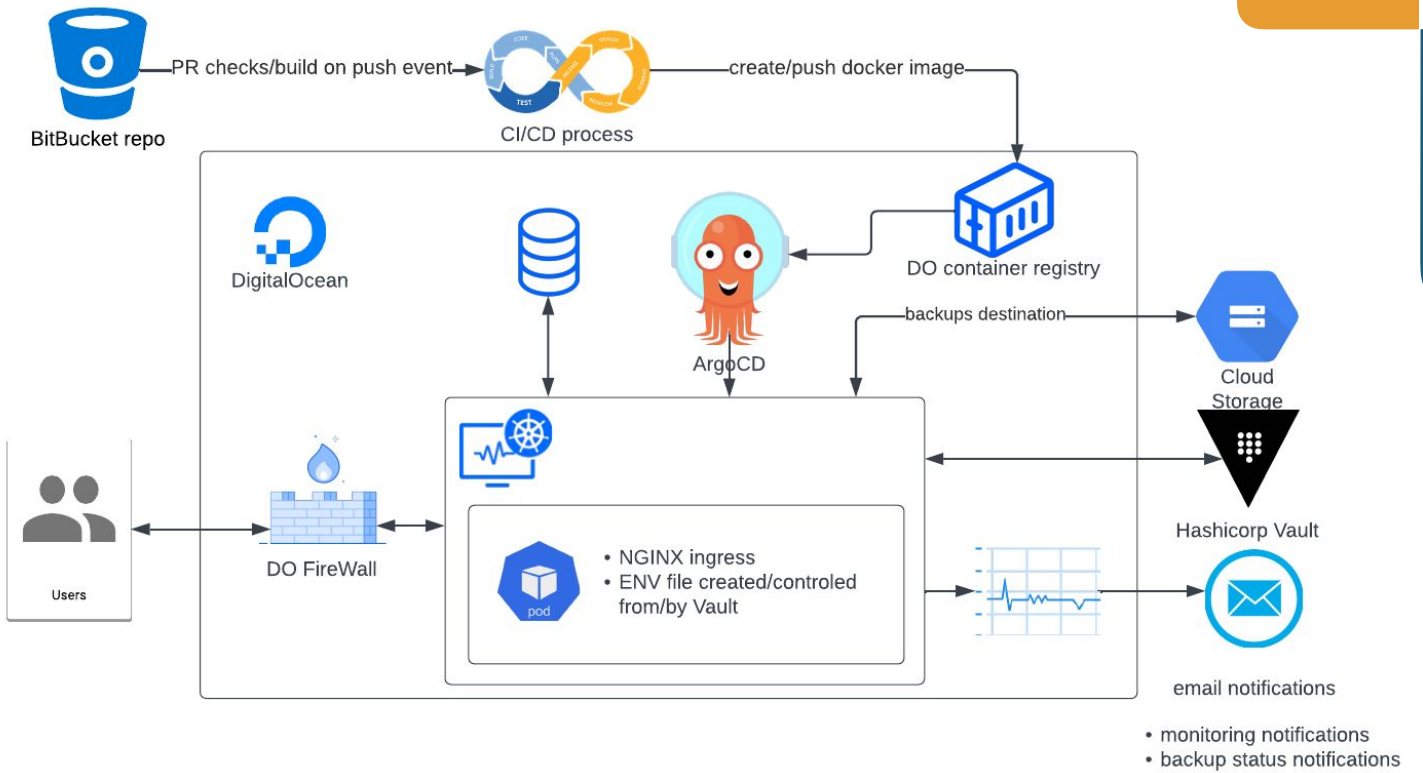

CI/CD ecosystem

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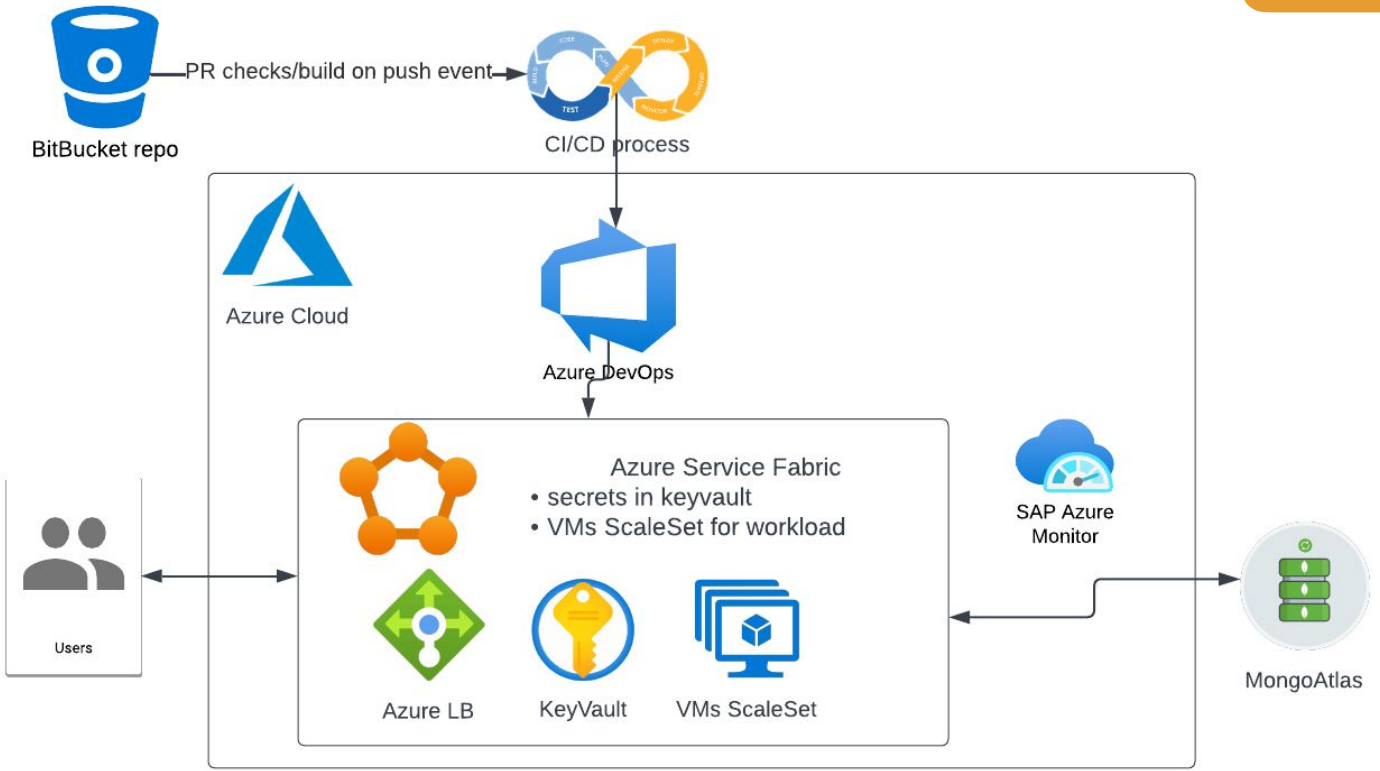

UAT and Feedback

We practice client-centric iterative and incremental software delivery, enabling effective feedback implementation.

Monitoring

- Our team can analyze business and performance data to suggest adjustments to the product.
- Our DevOps team can proactively monitor application deviations by installing monitoring systems on servers / in the Cloud.

Ongoing support and maintenance

Customers can book developers part-time on a monthly basis to perform ongoing system updates or plan further development iterations.