



INFORMATICS PROJECT

# CONTINUOUS CARE YOUR PERSONAL MONITORING SYSTEM

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Public REST API &  
Anonymous Dataset

Responsive  
Web Design



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# CONTEXTUALIZATION

- Increased proliferation of **mobile devices for monitoring** vital signals and physical activity
- integration of smart devices with air quality monitors
- Use of **geolocation** to keep track of the environment the patient was exposed to
- Need for quality labelled quotidian data in the medical field

→ **A new paradigm of medical monitorization**





# STATE-OF-THE-ART

- Health Monitoring Systems using IoT and RaspberrPi
- Angel-Echo
- Geolocation Based Health Monitoring and Alarm System
- Beyond Health Tracking
- Ubiquitous Personal Health Surveillance and Management



# PROJECT GOALS

## Development Objectives:

- Transparent & Continuous Data Collection
- Simplistic and Professional Design
- Intuitive Data Visualization Tools
- Doctor-Patient Interaction

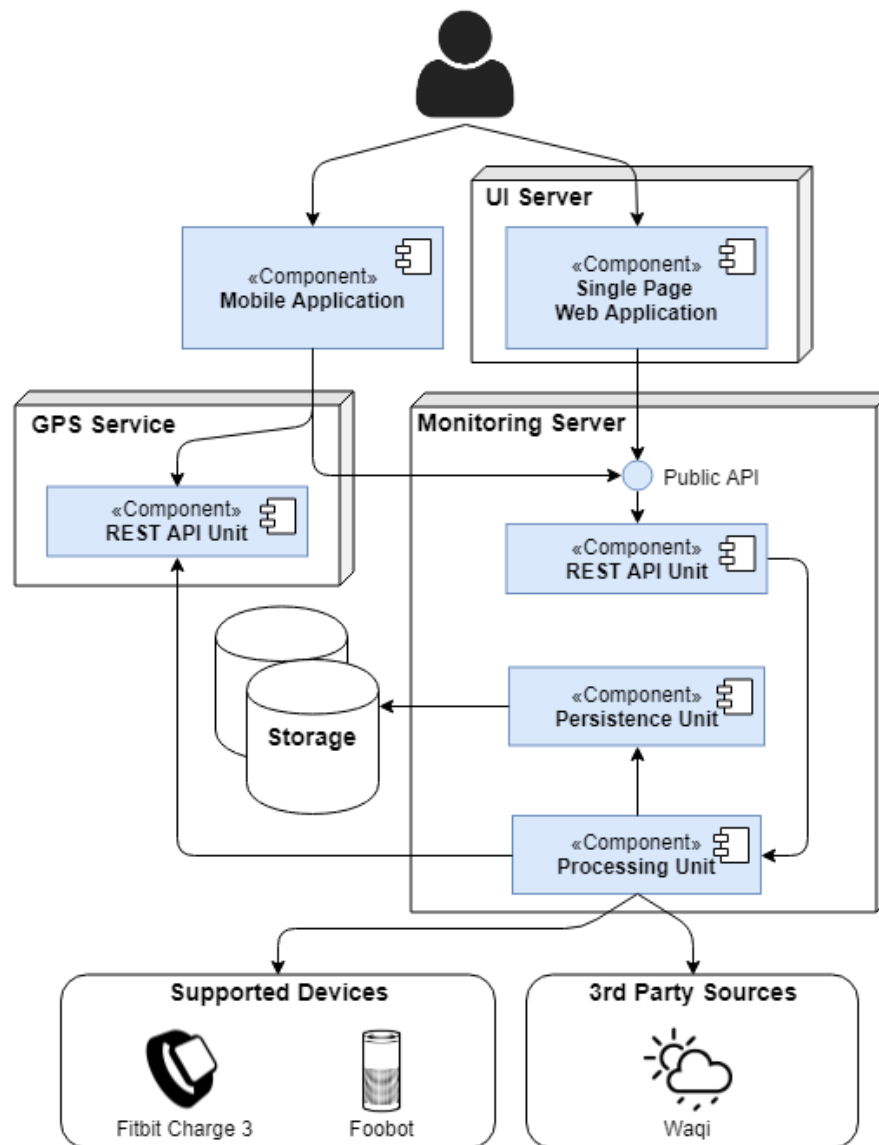
## ContinuousCare is all about:

1. helping citizens better understand their health and body activity
2. aiding professional doctors with analysis tools
3. making available valuable data for external systems

# DESIGN DECISIONS

- **Modular Architecture**
- **Geolocation Tracking**
- **Hybrid Storage**
- **Data Aggregation**

# ARCHITECTURE



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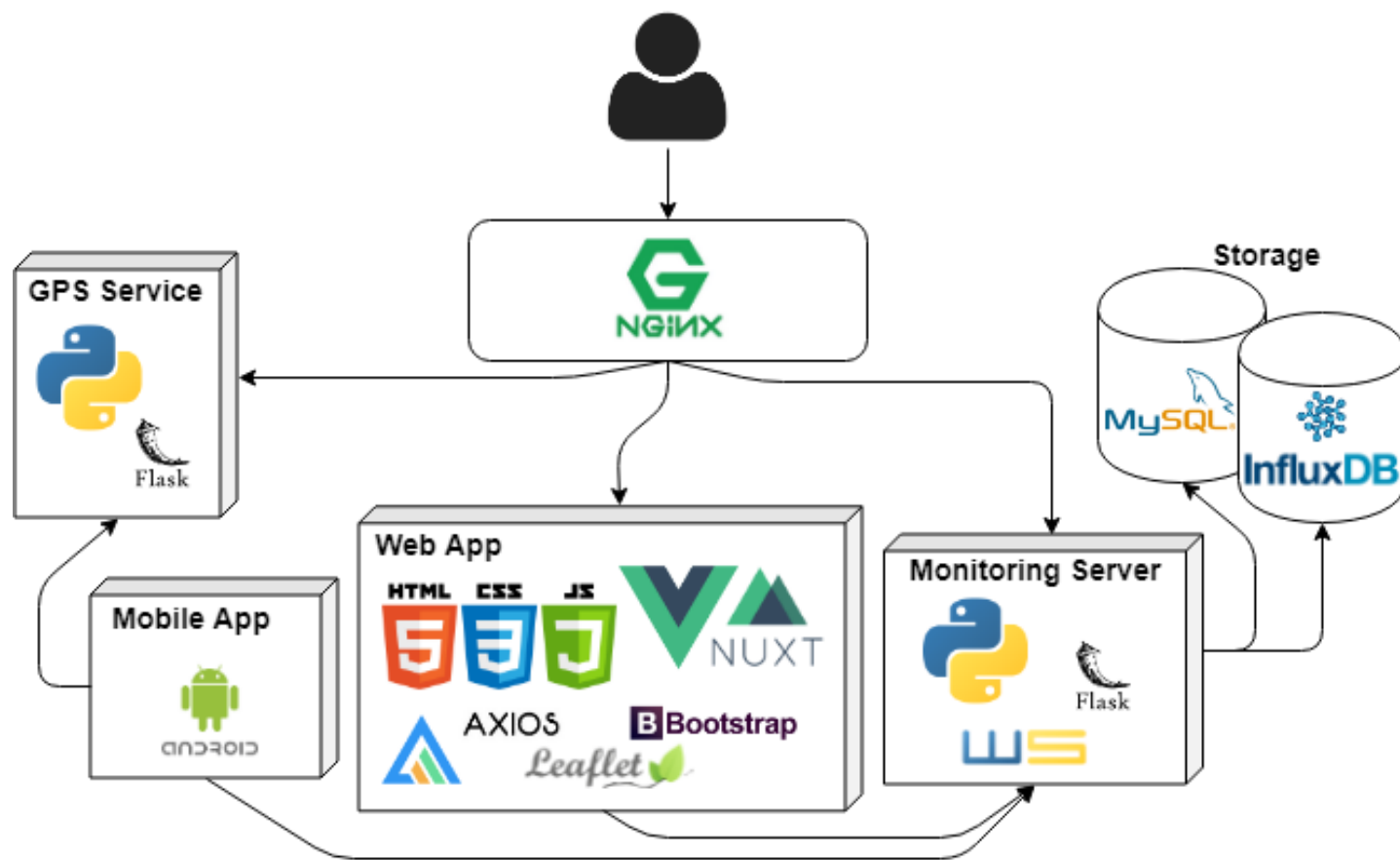


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# TECHNOLOGIES



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# FINAL PRODUCT

- Modern Supported Devices
- Web and Mobile Applications
- Public REST API w/ [Documentation](#)

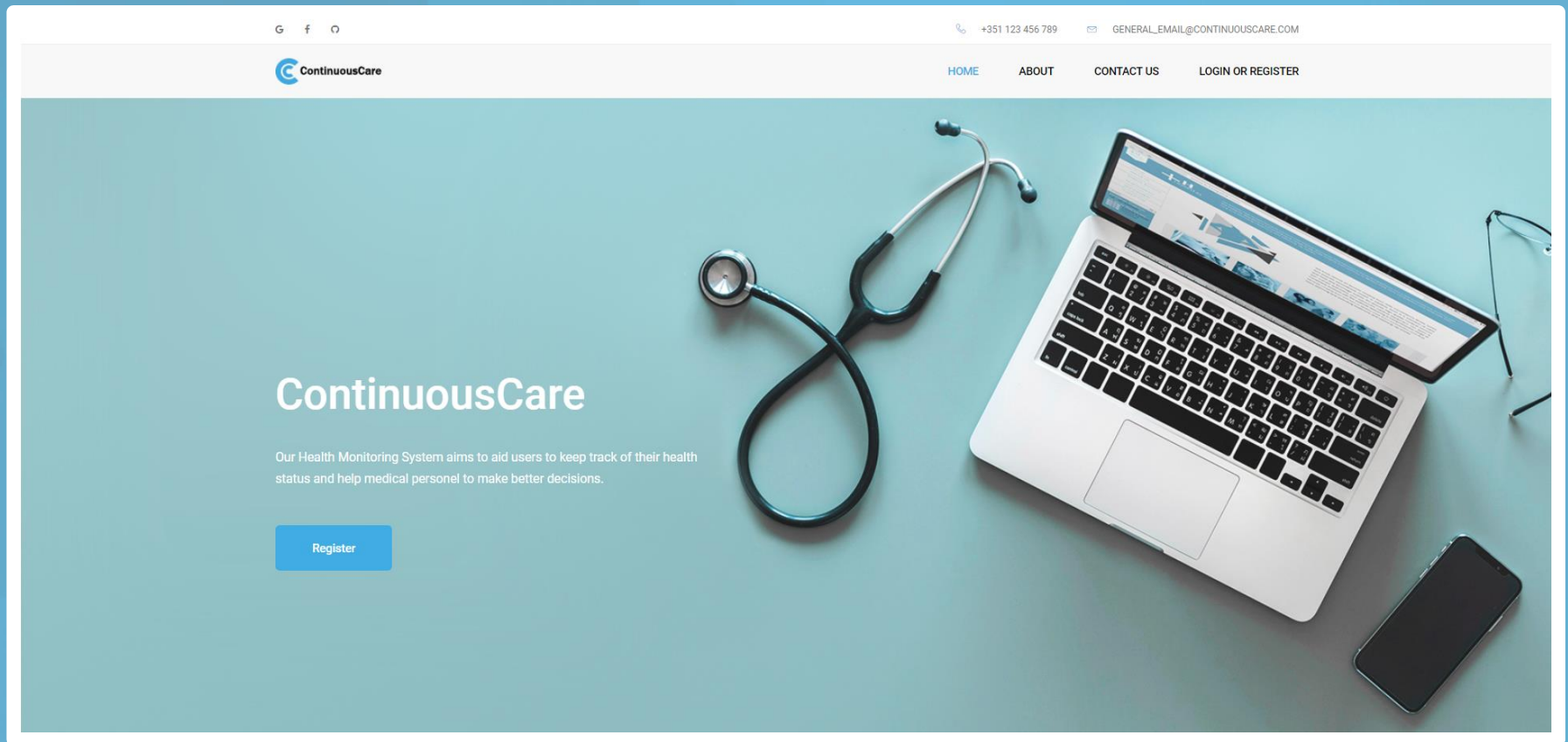




- Modular Device Support
- Data Export Available
- Scalability Ensured
- Performance Tested



# DEMONSTRATION

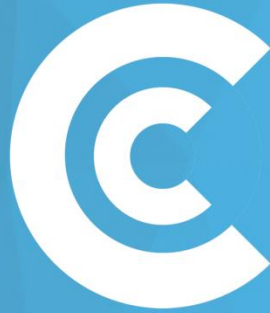




# CONCLUSIONS

**As intended, ContinuousCare promises to aid any user interested in perfecting their lifestyle and monitoring the surroundings.**

It now has the potential to develop into a more intelligent and specific system capable of detecting dangerous behaviours and hazardous environments.



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**THANK YOU FOR YOUR ATTENTION**