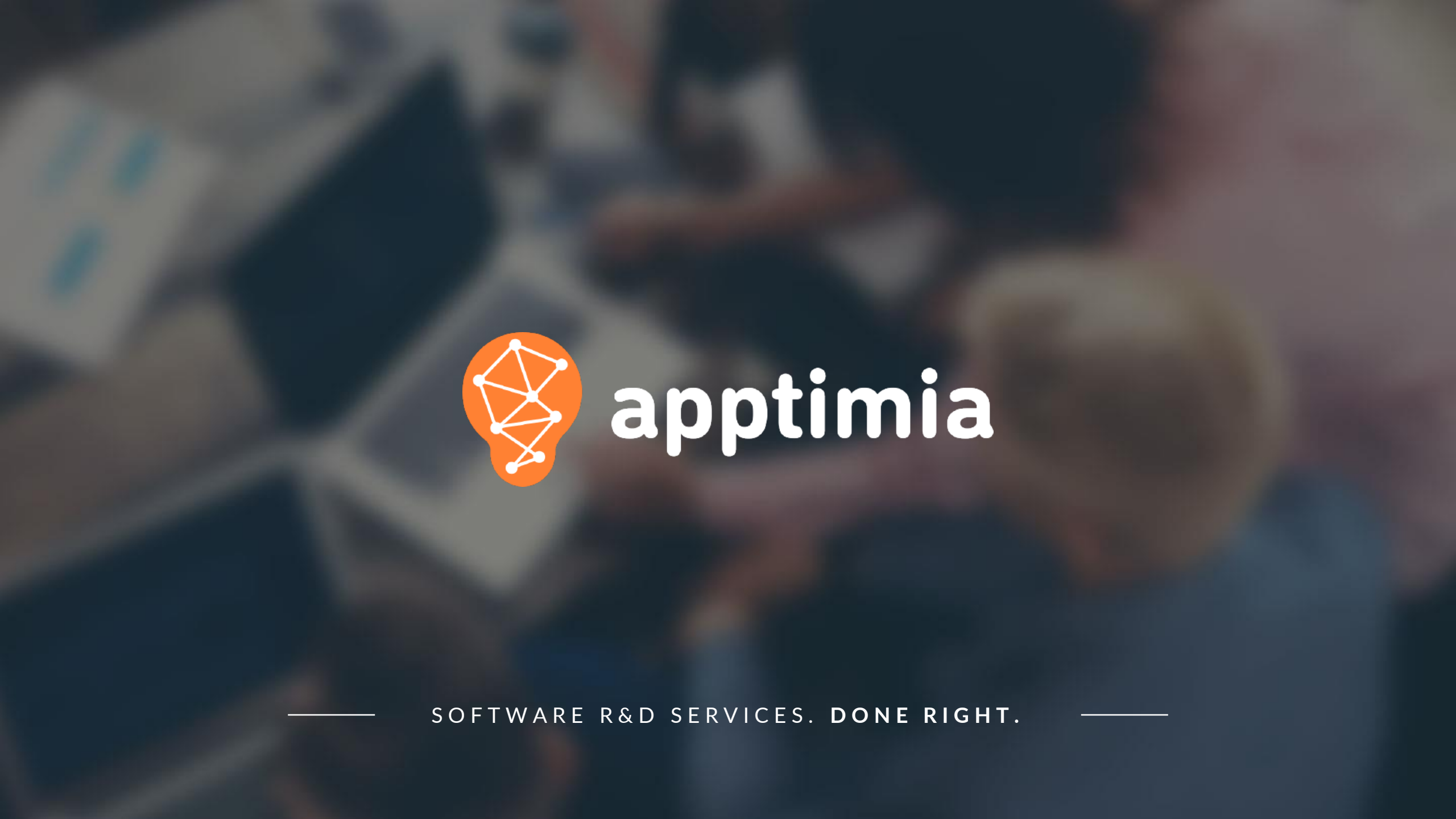

apptimia
SOFTWARE R&D SERVICES. DONE RIGHT.

WHO WE ARE

APPTIMIA PROVIDES SOFTWARE R&D SERVICES IN SELECTED INDUSTRY SEGMENTS

With a growing team of 30+ senior engineers, we help leading brands in the US and in Western Europe solve advanced software R&D problems in a brand-new lightweight, iterative way.

OUR TEAM

30+ engineers and growing
Based in Poland

CUSTOMERS

United States
Western Europe

INDUSTRIES

UAVs
IoT
Manufacturing
Agriculture

WHAT WE DO

Software R&D services
administered via
agile & lean approach

WHAT OUR CUSTOMERS GET

Apptimia solves specific
Software engineering problems
via a lightweight and agile approach.

With 15+ years of experience and 150+ finished projects we know what works, what doesn't, and where we can innovate.

We bring only experienced engineers to the table so you can leave competence worries behind. Our mode of operation is agile by nature and by design which makes us adaptable, accommodating and amenable.

We can start the project with a minimum set of requirements, help you better define those requirements, as we go, and deliver mutually agreed-upon outcomes while reporting to you on a weekly basis.

We promise Apptimia is very simple to work with i.e. no vague conversations – we are simply straightforward while focused on delivery; on-time and on-scope.

APPTIMIA'S EXPERTISE

industry

- Internet of Things
- Unmanned Aerial Vehicles
- Manufacturing
- Agriculture

technology

- Cloud based applications
- Modern UI/UX portals
- IoT, smart sensors
- Autonomous systems
- Mobile apps

software

- Web: Angular 5, reactJS, HTML5
- Backend: Python, Django, Java/J2EE, MongoDB/ PostgreSQL and others
- Embedded: C/C++, Linux, ARM
- Mobile: iOS/Android

FOCUSED DOMAIN EXPERIENCE

STRONG NICHE FOCUSED (NOT GENERALISTS)

IoT / Manufacturing solutions
Unmanned Aerial Systems

PASSIONATES

Cutting-edge and up-to-date with the most modern technologies

INDUSTRY EXPERIENCE

Team members with 10 years of experience, 6y+ on average

DIFFERENCE

Easy to begin
Easy to work with
Get results from iterative approach

EXPERIENCED MANAGEMENT

15y +	Multicultural	Trustworthly	Know-now	Cooperation	150+
Managerial experience	Worked with several global companies	Reliability you can trust	Experience in projects realization across the globe	We know what works, what doesn't, and where we can innovate	Successful projects with references available

Telecom Cloud
Management Application

Pensa Networks
Mid-size telecom
startup

Silicon Valley
CA, USA

February 2015 –
January 2018

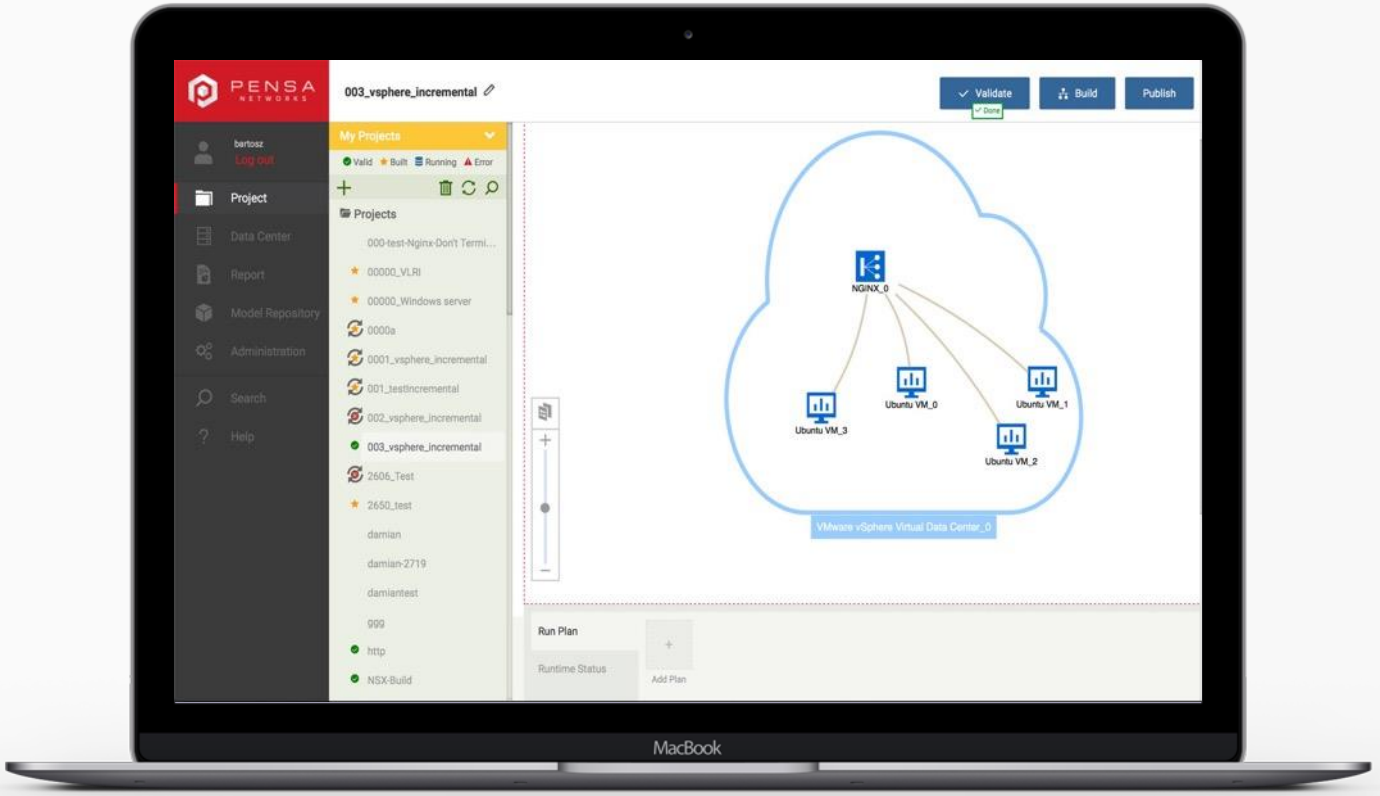
CONTENT

Web-based telecom management system

- Modern UI
- Network diagram and configuration

Back-end repository

- Big amount of data storage
- Data processing



TECHNOLOGIES / COMPONENTS

Front-end

- angularJS
- goJS
- JS/HTML5
- Google analytics

Back-end

- postgreSQL
- Python/Django
- REST API
- YAML/YANG/JSON

SmartPlanes

UAV autopilot
Ground Control Station

Smartplanes
Manufacturer of
fixed-wing drones

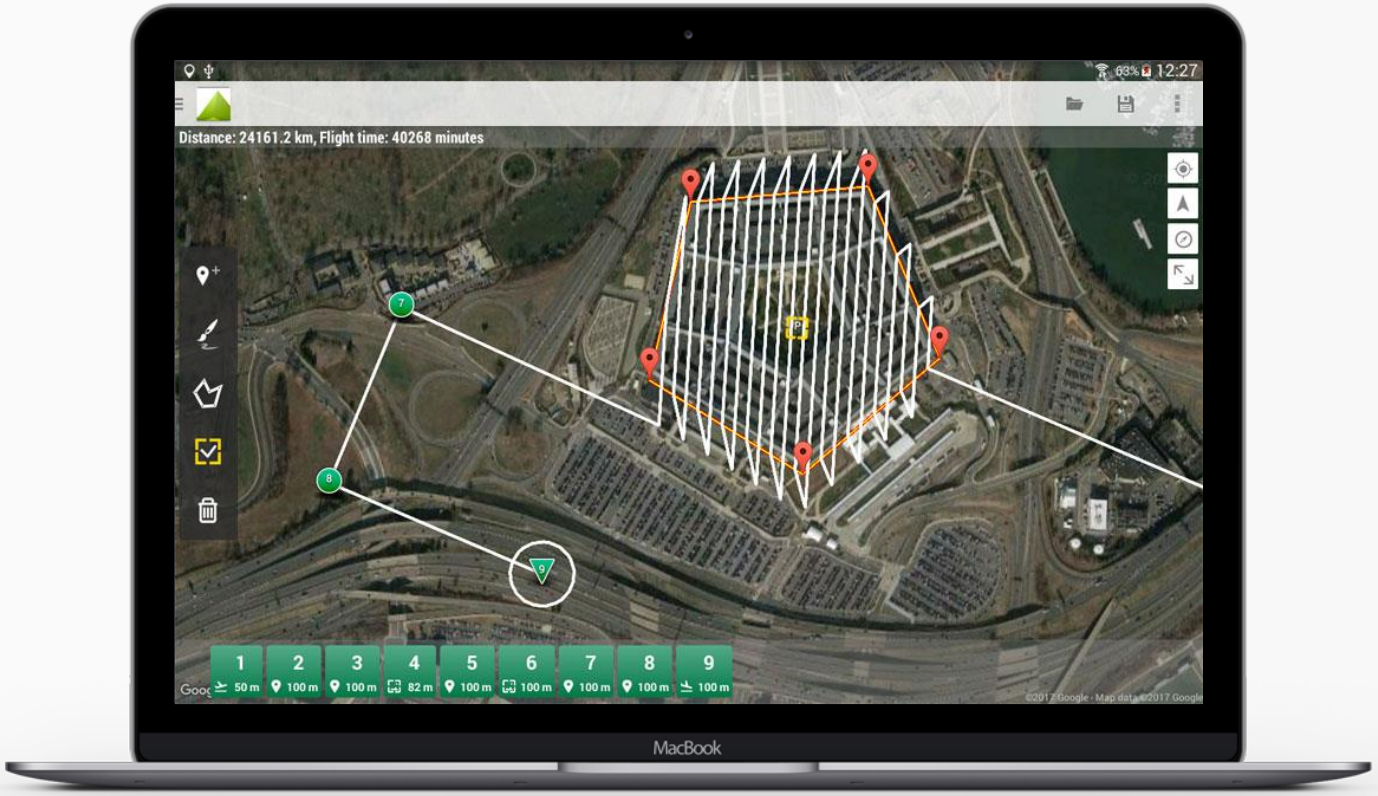
Sweden

November 2015 –
May 2018

CONTENT

Many large features developed on top of these software libaries:

- ArduPilot
- Droid Planner
- DIY Drones
- Planned web-based data processing hub



TECHNOLOGIES / COMPONENTS

Ground Control Station / Mission Planner

- Java/Android
- GoogleMaps API

Autopilot (PX4)

- C++
- MAVlink
- Testing on SITL
- X-Plane

Management system for
IoT Fog Computing nodes

Nebbiolo
Technologies
Mid-size IoT startup

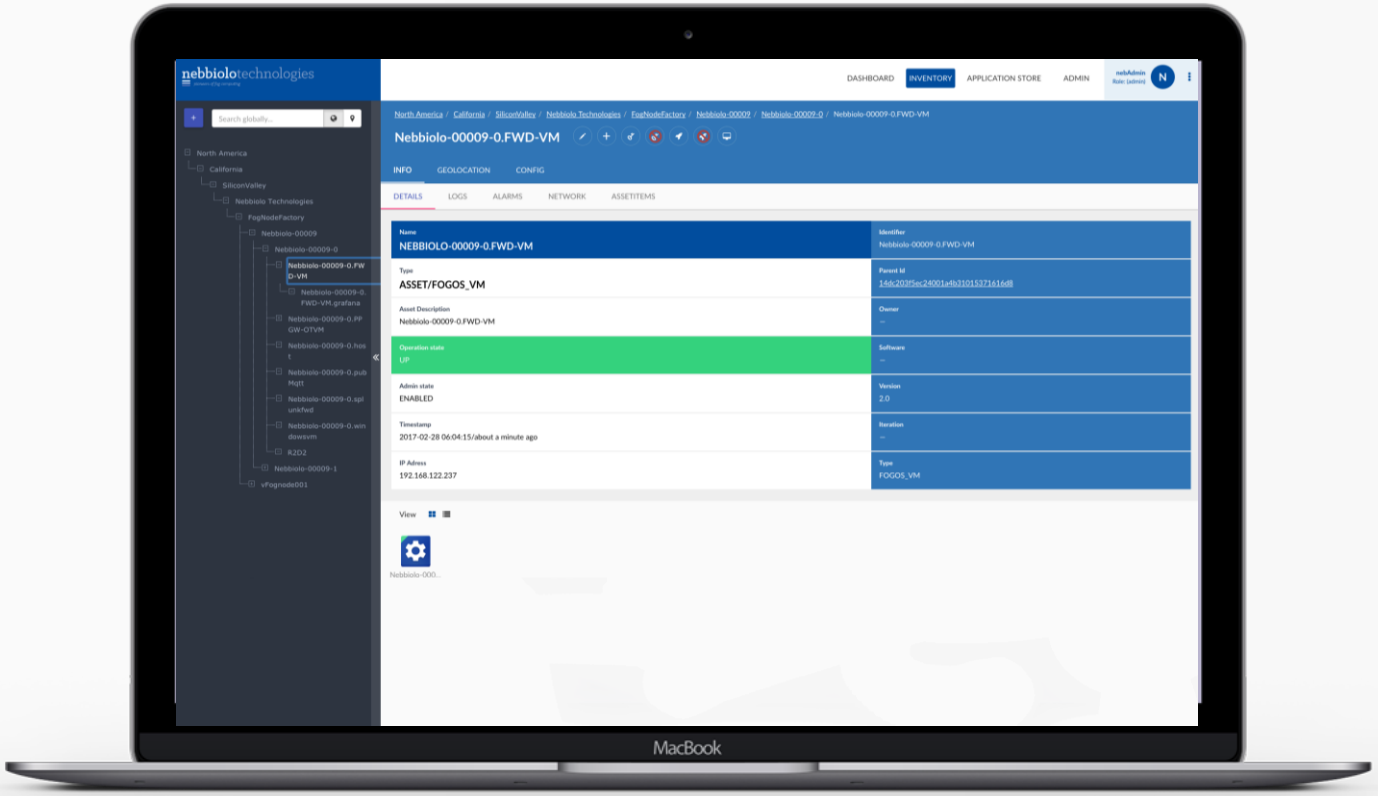
Silicon Valley,
CA, USA

November 2015 –
June 2018

CONTENT

Advanced fog nodes cloud-based management

- Fog nodes, foglets and sensors
- Different industry applications
- Geo-distributed nodes



TECHNOLOGIES / COMPONENTS

Front-end

- angularJS
- reactJS
- JS/HTML5

Back-end

- Python/Django
- REST API

Company

IoT cloud-based platform

TOP500 company,
IoT cloud division

Morrisville,
NC, USA

March 2018 –
ongoing

CONTENT

Cloud agnostic IoT platform for collecting data and management of thousands of IoT devices (in offices and houses)

- Cloud agnostic (AWS, GCP, Azure)
- Large load of messages and notifications
- Analytics
- Mass provisioning for device management

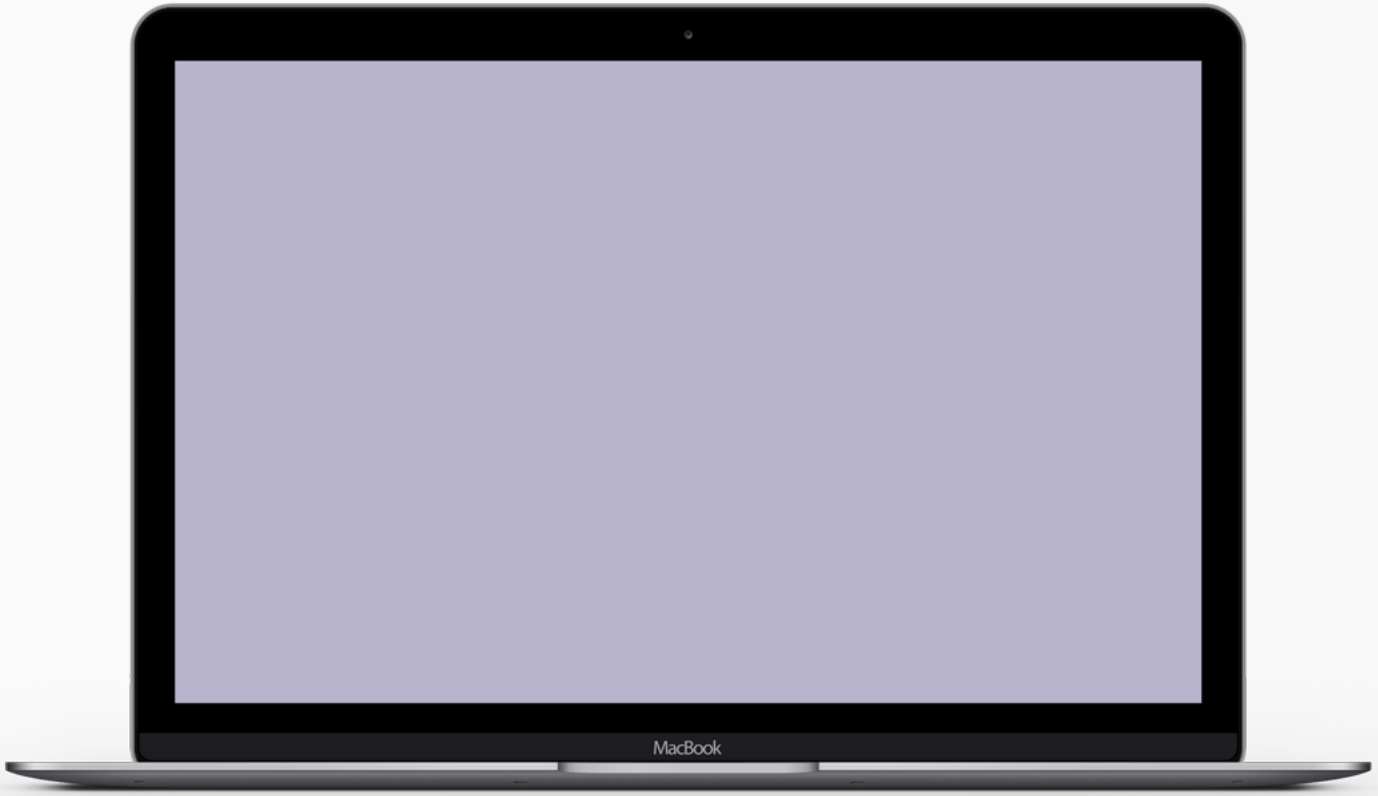
TECHNOLOGIES / COMPONENTS

Web front-end / mobile devices

- Angular 5
- AR: Android / Unity
- C#, Windows IoT

Back-end

- Python/REST/
- Java/J2EE
- Kaffka, RabbitMQ
- nodeJS, microservices



Company

UAV (drone) cloud data provisioning system

UAV (drone) data collection service provider

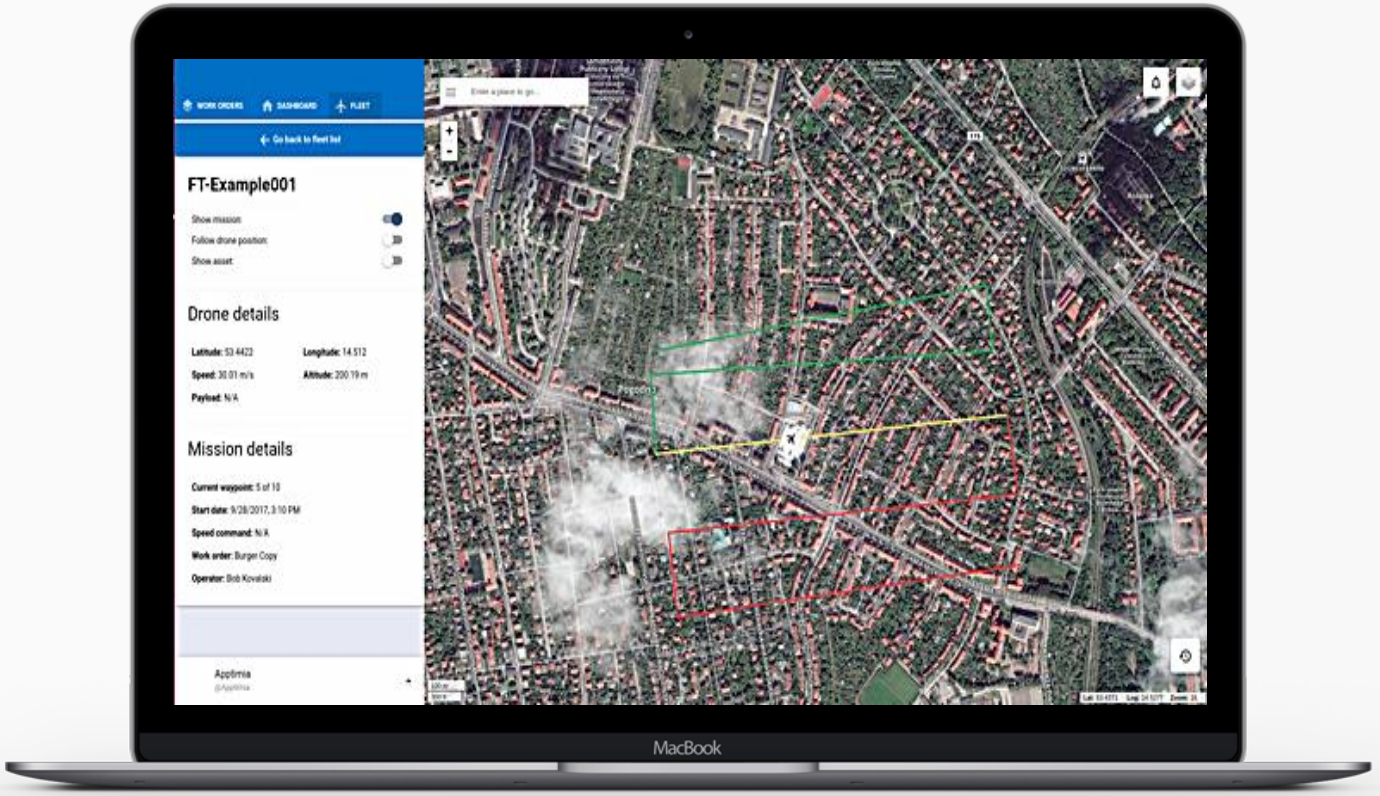
San Diego, CA, USA

October 2016 – ongoing

CONTENT

Complete cloud based application (AWS backend and front-end) for workflow and data collection management of a drone fleet

- Modern UI
- Large date processing and presentation
- Advanced filtering and search capabilities
- FMS – Fleet Management System



TECHNOLOGIES / COMPONENTS

Front-end

- Angular 5
- mapbox
- JS/HTML5

Back-end

- Python/REST/Django
- Java/J2EE
- GDAL, WMTS

Company

Maritime IoT solution

Leading provider of maritime solutions

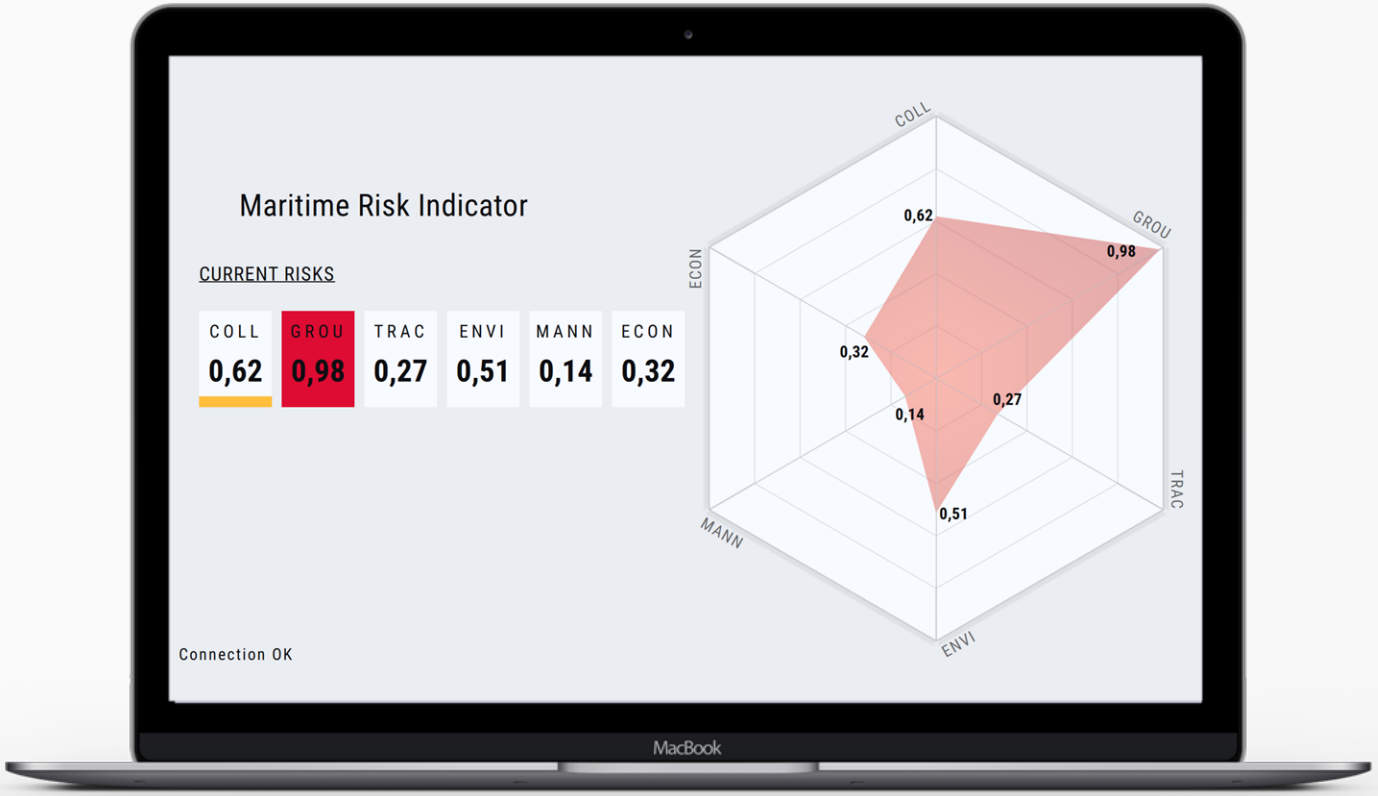
Bergen, Germany

May 2018 – ongoing

CONTENT

Complete online system for maritime data management and acquisition, as well as vessel cruise resources optimization and safety management.

- Real time maritime risks indication and prediction
- Vessel and nautical data fusion algorithms
- Advanced vessel status tracking
- UI suited for the bridge environment



TECHNOLOGIES / COMPONENTS

Software

- Embedded C++
- Qt
- QML
- OPC UA

Hardware

- Linux based embedded systems (x86, ARM, PPC)
- Bare metal embedded systems (ARM Cortex-M, FPGA)
- “Maritime grade” digital and analog circuitry

Company

Drone autopilot/gimbal extensions
Mission planner

UAV / drone manufacturer

Missoula, MT, USA

March 2017 – ongoing

CONTENT

Development of mission planner application, interfacing of on-board autopilots (PX4, A3) with different gimbals and computing platforms:

- ArduPilot, MAVlink
- DJI OnBoard SDK
- HD Air, Glidecam

- Multi-platform mission planner based on web technologies

TECHNOLOGIES / COMPONENTS

Mission Planner

- web-based, multiplatform
- GoogleMaps, Bing, OpenStreetMap API
- Javascript, Eletron.io, Android

Autopilots: Pixhawk, DJI A3

- C++
- MAVlink
- DJI OnBoard SDK

Company

Telecom Service Management Application

Tier-3 telecom vendor (under NDA)

Espoo, Finland

August 2015 – September 2016

CONTENT

Cloud-based Telecom Service management

- Modern UI
- Service catalog and performance statistics

Back-end service management

- Uses OpenStack and OpenDaylight

TECHNOLOGIES / COMPONENTS

Front-end

- angularJS
- goJS
- JS/HTML5

Back-end

- Python/Django
- REST API
- OpenDaylight

Company

Backend User Authentication System

Leading on-line auction system in Europe (under NDA)

Berlin, Germany

June 2015 – August 2016

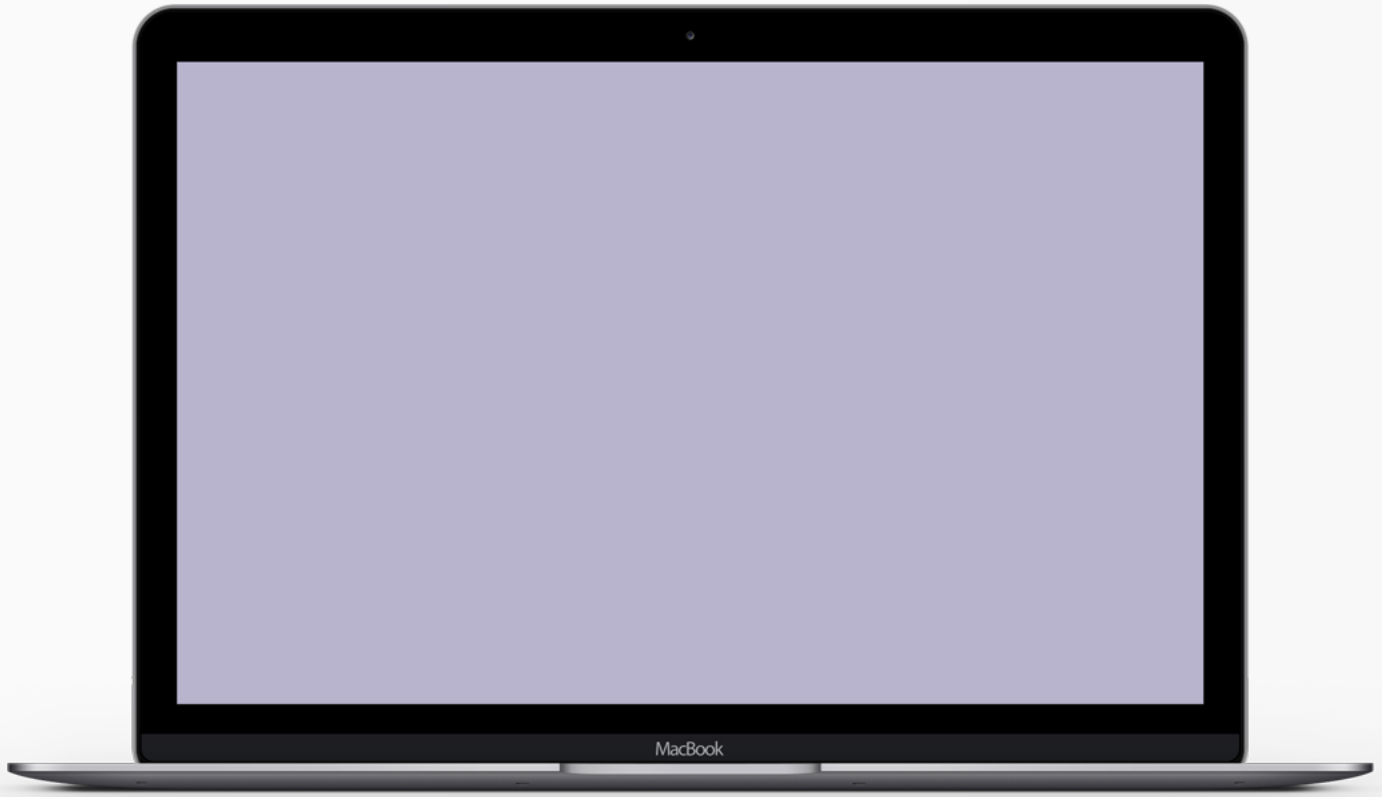
CONTENT

Management, synchronization and audit user authentication within managed IT systems:

- Crowd synchronization with LDAP
- Generate user permissions based on a JIRA workflow
- Crowd synchronization with GitHub Enterprise,
- Generate automated SOX testing and reporting (for security auditing)

TECHNOLOGIES / COMPONENTS

- Python
- Atlassian CROWD
- JIRA
- LDAP
- angularJS, Bootstrap



Company

Cloud-based online marketing data processing

Mid-size online marketing company (under NDA)

Silicon Valley, CA, USA

July 2015 - Jan 2016

CONTENT

Web front-end data aggregator for several online marketing tools

- Modern UI
- Large data processing and presentation
- Advanced filtering and search capabilities

Back-end support

- Extensions atop of C++ based graph-based DB

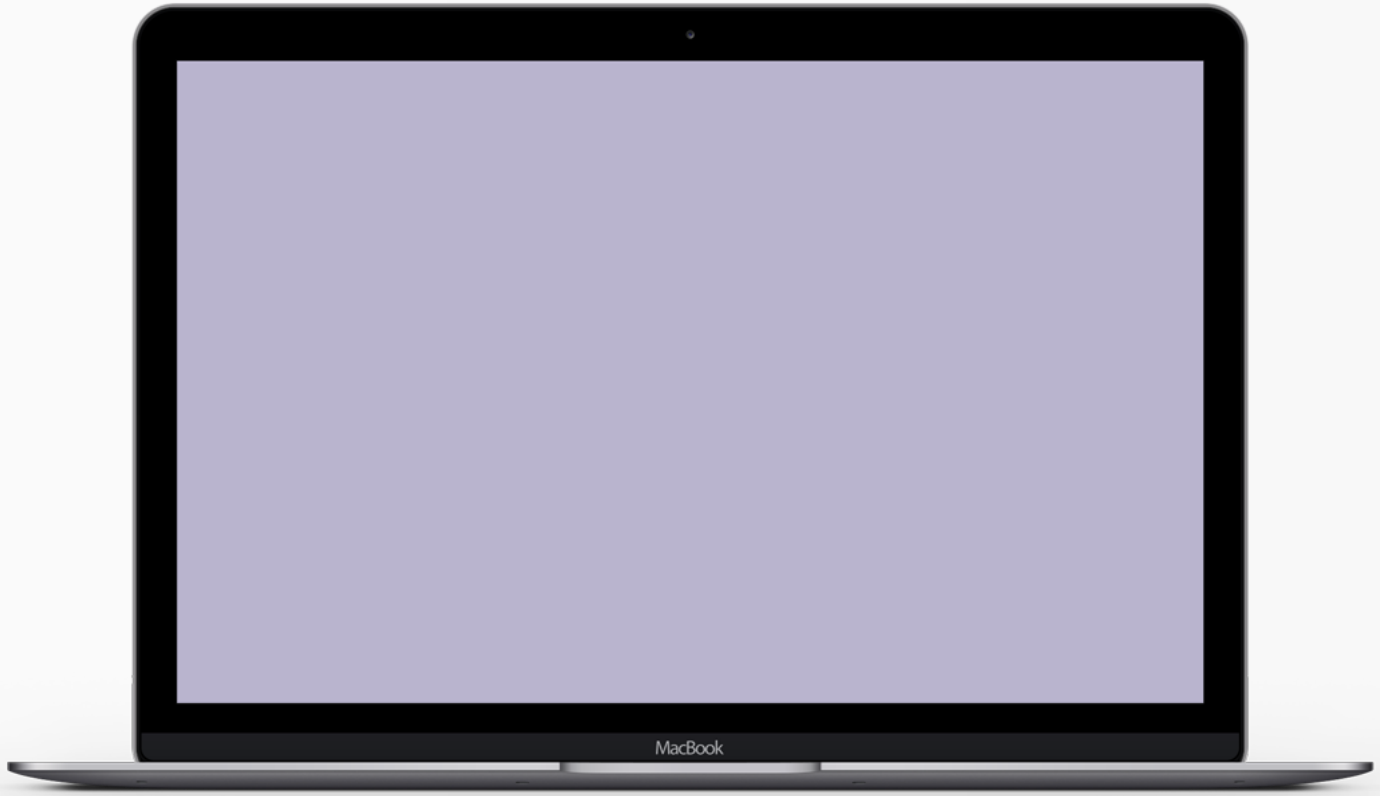
TECHNOLOGIES / COMPONENTS

Front-end

- angularJS
- JS/HTML5

Back-end

- Python
- REST API



ZenSpace

Booking system for mobile meeting spaces – IoT enabled

ZenSpace
Mid-size IoT startup

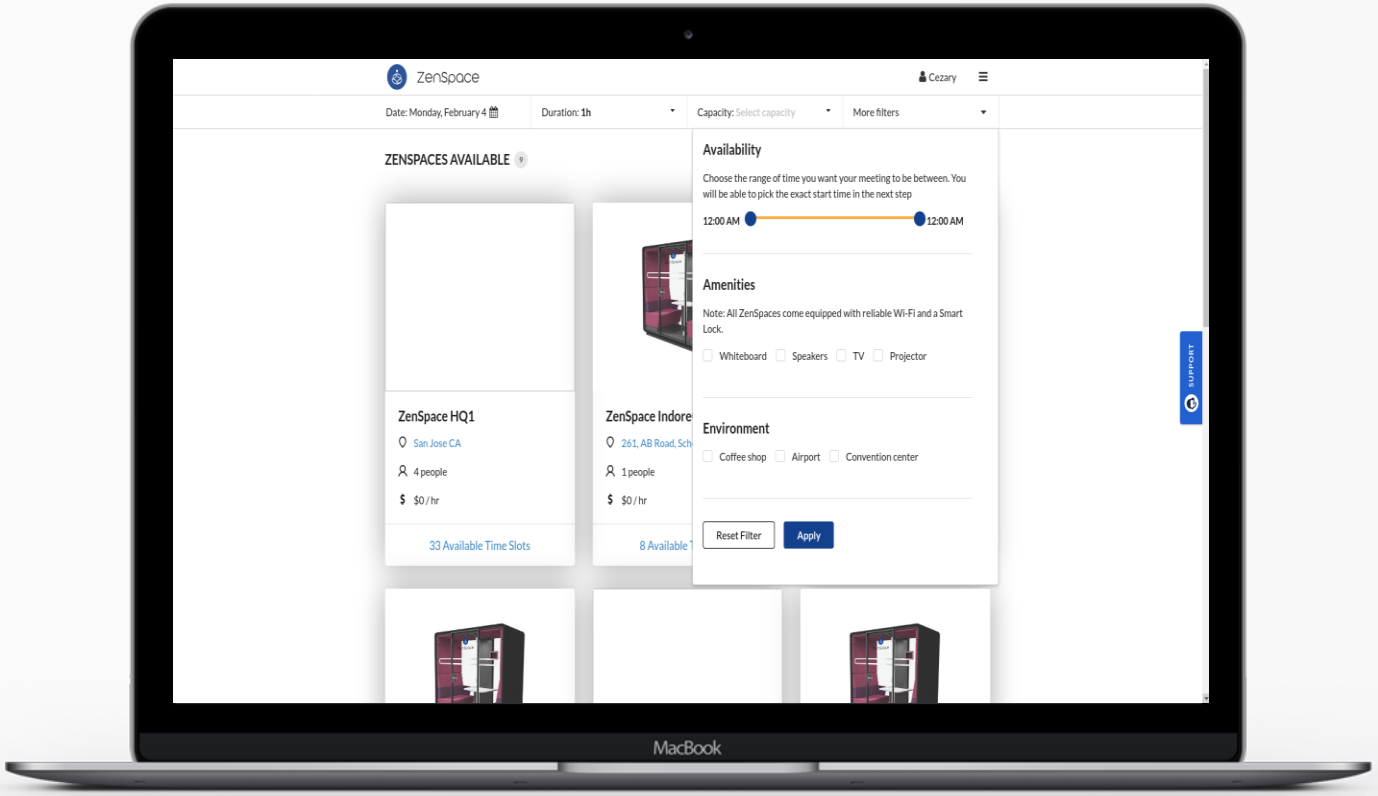
Silicon Valley,
CA, USA

November 2017 – ongoing

CONTENT

Online system for booking meeting spaces, equipped with many IoT sensors

- Geo-distributed meeting pods with many IoT sensors
- Back-end for booking, sensor data collection
- Mobile app for end-users for booking and payment processing



TECHNOLOGIES / COMPONENTS

Front-end / mobile app

- ReactJS
- React-native
- iOS/Android

Back-end / IoT

- Python/Django
- REST API
- Samsung SmartThings
- Salesforce integration

CONTACT US

apptimia

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