

Cloud Ready with Intellivisit

October 18, 2016



Who is Perficient



Who is Perficient



Perficient is the leading digital transformation consulting firm serving Global 2000 and enterprise customers throughout North America.

With unparalleled information technology, management consulting, and creative capabilities, Perficient and its Perficient Digital agency deliver vision, execution, and value with outstanding digital experience, business optimization, and industry solutions.



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Perficient Profile

- Founded in 1997
- Public, NASDAQ: PRFT
- 2015 revenue \$473.6 million
- Major market locations:
Allentown, Atlanta, Ann Arbor, Boston, Charlotte, Chattanooga, Chicago, Cincinnati, Columbus, Dallas, Denver, Detroit, Fairfax, Houston, Indianapolis, Lafayette, Milwaukee, Minneapolis, New York City, Northern California, Oxford (UK), Southern California, St. Louis, Toronto
- Global delivery centers in China and India
- 3,000+ colleagues
- Dedicated solution practices
- ~95% repeat business rate
- Alliance partnerships with major technology vendors
- Multiple vendor/industry technology and growth awards



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Digital Experience Solutions



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About Intellivisit



About Intellivisit

- Intellivisit integrates health care into the everyday rhythms of life for patients and providers.
- Today, the company's focus is on removing friction and disruption from the primary care experience.
- The company accomplishes this by using smart systems to assist patients and providers with the technical and cognitive work of medicine.
- For example, artificial intelligence facilitated interactions between patients and providers enable asynchronous virtual treatment of minor illnesses.
- Patients complete a dynamic, personalized questionnaire about how they are feeling, submit those answers to a clinician, and a nurse or doctor will review the symptoms and message the patient back with a treatment plan and prescription, if necessary.



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Intellivist Partnership





Intellivist Partnership

- Intellivisit wanted a partner who:
 - To work through the continued evolution of the platform
 - To assume responsibility of the day to day support of their legacy application
 - Provide architectural, planning and development resources for changes, revisions and implementation of the Intellivisit platform
 - Provide application/user interface experience and design including a mobile application

Intellivisit wanted a partner who could help in all phases of the application development

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Previous Technology



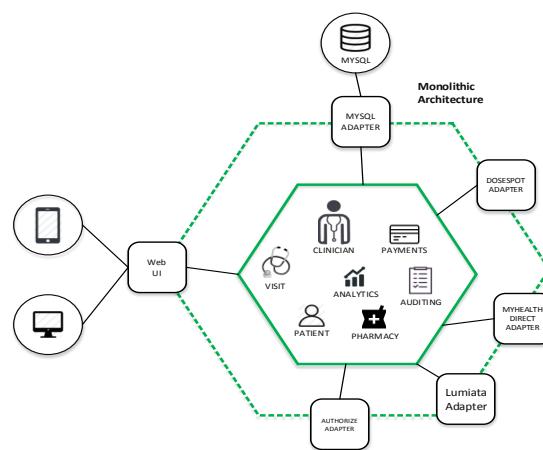
History

- Development of what is called internally a Proof of Concept, began in January, 2015
- Production in November, 2015

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Previous Monolithic Architecture

- Monolithic architecture – single application for all four users
- Application was written in JSF, JEE and JPA
- Runs on Jboss WildFly application server
- MySql
- Code coverage was < 1%



Tightly coupled software presents the biggest difficulty when teams are looking to extend or change systems.

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Current State – Cloud Ready



Technology Stack



spring
boot



ANGULARJS
by Google



Development Frameworks



Production Environment



JIRA

artifactory



sonarqube



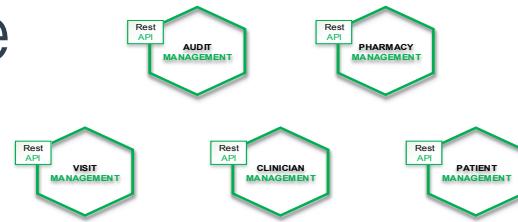
Developer Tools

Perficient recommended these current industry technologies



Micro Services Architecture

- Micro services were developed for each domain area
- Each service was a spring boot application
- Deployed as a WAR into wildfly (short-term)

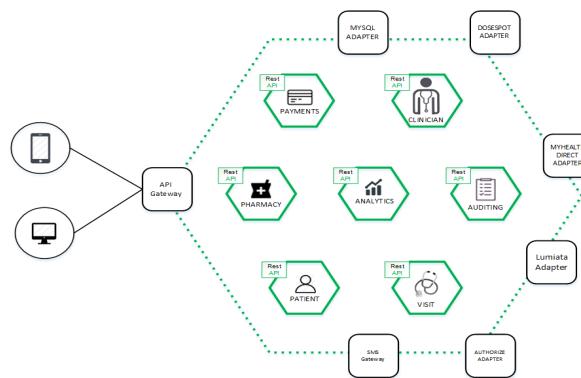


Small autonomous services reduces maintenance risk and cost

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API Gateway

- API gateways were developed
- Responsible for security
- Deployed as WARs to WildFly
- Responsible for aggregating data from micro-services

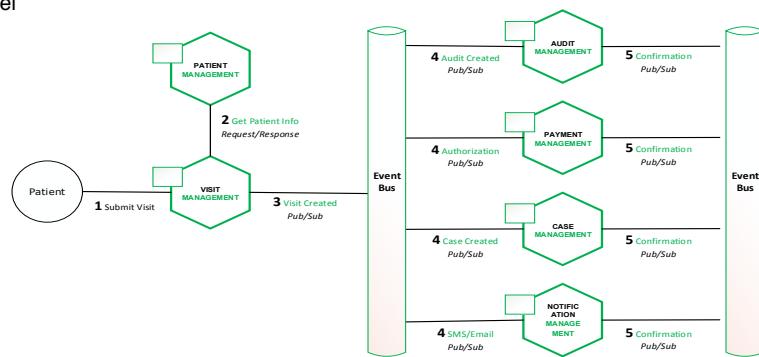


API Gateway combines services to simplify the client by moving logic for calling multiple services from the client to the API Gateway

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Decentralize Everything

- Choreography model
- Pub/Sub
- JMS



Introducing an event bus simplifies the integration among the systems

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Cloud Ready

- All API gateways and services are cloud ready
- Cloud ready applications
- Using Spring Cloud Config
 - Properties are stored in git and pulled
- Application are deployed independently

All new applications are designed with the cloud in mind

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Screenshots

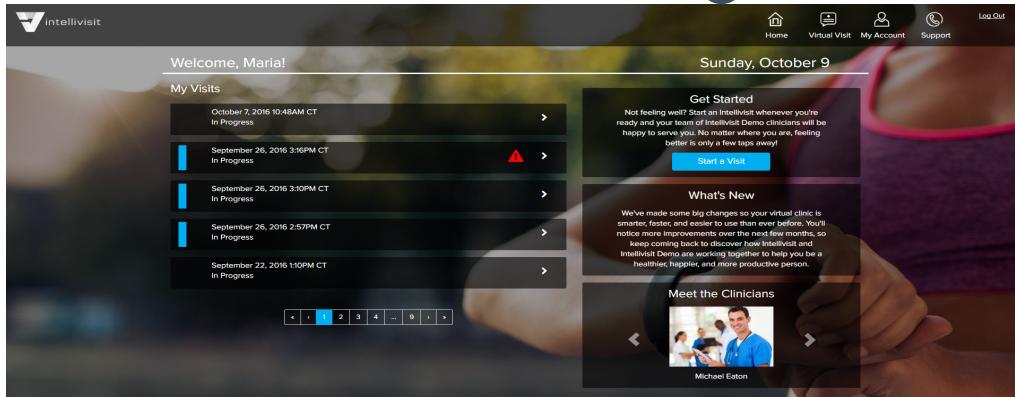


Legacy Home Page

The screenshot shows the legacy home page of the IntelliVisit platform. At the top, there is a navigation bar with the IntelliVisit logo, a "Quick Visit" button, and a "My Account" link. Below the navigation is a header section featuring a user profile picture and the text "Welcome back, Dave Stockmann". It also states "You have 0 new notifications or tasks to complete. Use the blue arrows to scroll through, view, and complete your notifications or tasks." A "Get Started" button is present, along with links for "Quick Visit" and "Update My Profile". On the left side, there is a "Visit History" section showing "No Visit History". The bottom of the page includes a footer with the text "Powered by IntelliVisit | 20935 Swenson Dr #350 Waukesha, WI 53186 | 855.271.2227 | Help | Privacy Policy | Logout".

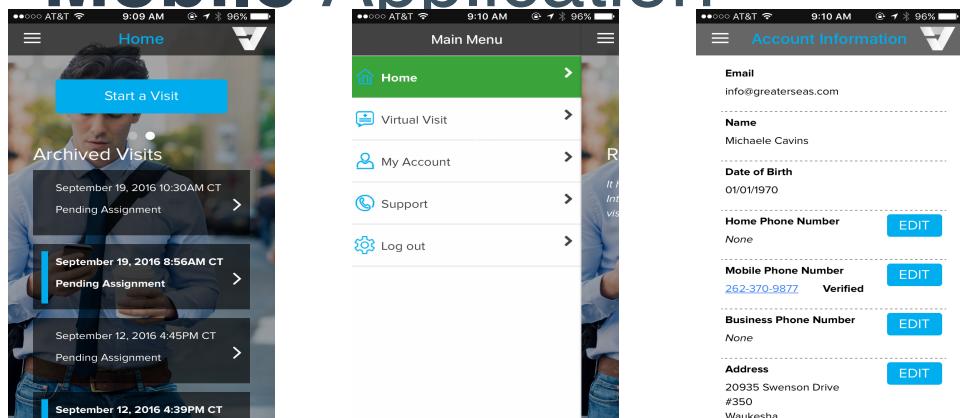


Current Home Page



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Mobile Application



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Roadmap



Technology Road Map

- Incorporate other cloud technologies
 - Eureka
 - Zuul
 - Hystrix
 - Feign
- Make JARs not WARs – move apps away from WildFly
- Look at PaaS solution (cloud foundry for example)



Become cloud native





Questions

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