

# VASILIS KALOIDIS

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Portfolio: [www.vasis.work](http://www.vasis.work)

GitHub <https://github.com/vaskaloidis/>

## Skills Summary

- 4 years of professional experience as a Software Engineer, developing both Java Desktop and Web Software, for the: medical informatics, health-care and health insurance informatics, laboratory and biotech informatics sectors.
- Enthusiastic and eager learner, always researching and studying to improve technical-understanding of the latest advancements and updates in PHP, Ruby on Rails, along with the latest JavaScript, HTML5 and CSS3 Trends, Frameworks and Technologies.
- Extremely Passionate programmer, spending any free-time coding or researching latest updates in technologies. All open-source work available for view on Portfolio and GitHub
- Extensive experience with Red Hat Linux (CLI Servers and Desktop), deploying and maintaining Servers running on Amazon Web Services including Containerized VM Environments such as Docker
- Well-Rounded developer who always practices AGILE, Test-Driven-Development, and has experience deploying and managing CI-Servers, Archive Servers and Build Servers; for automated releases or manual builds.

## Education

### **Computer Science / Degree Expected Spring '17**

University of Hartford, Hartford Connecticut.

## Experience

### **JAVA SOFTWARE ENGINEER – HEALTHMAP SOLUTIONS (TAMPA, FL) - JULY 2016 – AUGUST 2017**

- Developed Java web-application portlets for the Spring based Java Framework, Liferay
- Developed Java Software that consumed, analyzed and processed large amounts of HL7 Patient Healthcare Data, allowing our software to bridge gaps in disparate patient medical information ultimately saving insurance companies money by:

generating actionable cost analysis reports and offering preventative medical services by detecting patterns and offering patient outreach.

- Designed complex Java and MySQL Algorithms that iterated over health-insurance claims data, calculating various data-points that connect financial expenditures with healthcare utilization, allowing
- Frontend Development work was done to display the Financial Metrics calculations as sortable HTML5 reports. The MVC pattern was used to do the calculations in the backend, storing the results as JSON Data and passing them to the frontend.
- Built Liferay plugins allowing for dynamic database selection on multi-tenant systems; utilizing the latest web technologies including AJAX, JQuery and the latest JavaScript libraries and technologies extensively.
- Learned to develop and implement bullet-proof software with security that need to withstand the threats against modern companies in 2017. All software was written with security first and foremost, and code-reviews verified all practical security precautions took place in development.

#### **JAVA SOFTWARE ENGINEER – APELON (HARTFORD, CT) - JANUARY 2015 – FEBRUARY 2016**

- Worked on a team of engineers developing ISAAC – an open source terminology suite, that allows informaticists map Healthcare terms to SNOMED-CT, LOINC and RxNorm Codes. It was a massive multi-module Maven project written in Java as desktop software for use in VA Hospitals.
- Developed components for ISAAC, both frontend and backend. Extensive experience developing the UI which was written in JavaFX.
- ISAAC's data-storage layer was a custom local file-system data-store, which utilized Lucene indexing and synchronized updates via custom Java algorithm + Git Java Libs
- Maven, Archiva and MaestroDev (CI Server) were used for the development release cycle and automatic Continuous Integration Testing
- Separate projects at Apelon included developing software using HL7 FHIR Web Services for interoperable health records with OpenHIE Healthcare Initiative (Stack: OpenHIM, iHRIS and OpenMRS)

#### **JAVA SOFTWARE ENGINEER - CORE INFORMATICS (BRANFORD, CT) - MAY 2014 - OCTOBER 2014**

- Developed, debugged and supported our Laboratory Information Management System (LIMS) and our Electronic Lab Notebook (ELN) Products.
- Worked with the business analysts to develop new features for our Laboratory Management System to better integrate our product into laboratory workflows
- Our new features directly impacted scientists and researchers in their drug research and discovery.

- Also as a customer support role, our team of engineers assessed customer problems, designed solutions and engineered fixes directly into our products code.

## **PHP / JAVA SOFTWARE DEVELOPER - ISG SOFTWARE GROUP - (WALINGFORD CT) - JUNE 2013 - SEPT 2013**

- Developed large-scale PHP software, as well as maintained and upgraded small-scale PHP websites, including some that ran Drupal CMS system.
- Created PHP Synchronization software that connected an “in-house” Point of Sales System (Microsoft SQL Server), to an on-line Magento e-commerce website. Nightly Syncs were expected using REST.
- Custom Magento plugin development sent online orders to in-house POS system, during checkout

## **Languages**

### ***Java, Database and Dev Operations***

**Java:** Java 8 updates, JavaFX, Junit and TestNG, HK2. Java EE, JAX-WS, Tomcat / Glassfish, Liferay, Spring

**Software Dev Lifecycle:** Maven + Maven Plugin Development, GIT / SVN, CI Servers (Jenkins, Travis-CI, Bamboo, GitLab)

**Servers:** Red-Hat, Amazon Web Services, Heroku, Containerized VM's (Docker), Nginx Reverse Proxy w/ Load Distribution,

**Database:** MySql, Oracle, Microsoft SQL, Postgres, NoSQL

AGILE Development Methodology, Test-Driven-Development

### ***Web Development***

Ruby, Ruby on Rails, Postgres, Shopify Rails Development

PHP5 (and Composer), HTML5 (Bootstrap, Google), Apache HTTP

**MVC and CMS Frameworks:** Magento, Drupal, WordPress, CodeIgniter, Laravel

**Web-Services:** REST, SOAP, JSON, OAuth, HL7 / FHIR

JavaScript, NodeJS, Ember, Meteor

### ***Desktop Programming***

JavaFX, C++ (and OpenGL), Python, Perl, MIPS, LISP, Prolog, Standard ML (SML)

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## References

Mario Lopez – Manager / Software Engineer at HealthMap Solutions - (813) 389-5509

Javaris Brown – Project Manager at Apelon – (860) 581-0260

Ardian Krivca – ERP Business Analyst at Children's Medical Center – (203) 573-6248