

Tim Travitz

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RELATED WORK EXPERIENCE

athenahealth Senior Software Engineer

July 2021 – August 2026

athenahealth

Boston, MA

- Helped maintain the frontdoor to the company's external APIs (Kong Gateway plugins)
- Experience navigating FHIR (Fast Healthcare Interoperability Resources) R4 and HL7 specifications
- Monitored a large number of both FHIR and proprietary API routes owned and maintained by various teams, using tooling such as Prometheus, Grafana, OpenSearch, and AWS CloudWatch
- Maintained common libraries for internal FHIR-compliant micro/macroservices as well as various web apps for developer use
- Member of team on-call rotation, responsible for responding to service and route outages when active
- Adopted AI developer workflows and coding best practices in a quickly changing AI landscape

Raytheon Software Engineer II

July 2016 – June 2021

Raytheon

State College, PA

- Developed/tested software utilizing Java and other languages in accordance with tasking from backlog
- Created and maintained spring configuration files for a microservice-like architecture
- Interfaced with and created data endpoints using various data transfer technologies (such as client server socket streaming, Apache Kafka, REST, and file transfers/drop-offs)
- Researched new technologies and created designs for the team to incorporate into existing software
- Participated in an effort to migrate an existing software project to Kubernetes utilizing Docker, Rancher, and Ansible
- Held Top-Secret SCI w/SSBI Security Clearance

Teaching Assistant/Grader for Computer Networks EECS 325/425

Fall 2015 – May 2016

Case Western Reserve University

Cleveland, OH

- Provided assistance and guidance to students during office hours
- Assigned grades and supplied feedback to students

Research Experience for Undergraduates (REU)

June – August 2015

Salisbury University

Salisbury, MD

- Developed simulation environment for Optical Network on Chip (ONoC) architectures
- Presented findings of simulator with my partner with a poster and technical presentation

NASA LERCIP Intern, Data Systems Branch

June – August 2014

Glenn Research Center

Cleveland, OH

- Wrote Java code to develop an RS-232 GUI diagnostic tool for use in the field
- Conducted a technical presentation on the diagnostic tool

EDUCATION

Case Western Reserve University

Cleveland, OH

Bachelor of Science, Computer Engineering; Mathematics Minor - Cumulative GPA: 3.49

Aug. 2012 – May 2016

PROGRAMMING LANGUAGE SKILLS

Proficient with: Java, JavaScript/TypeScript programming languages

Experience with: Python, C, Objective-C, C++, C#, Swift, Perl, and common shell scripting languages. Verilog, VHDL hardware description languages

TECHNICAL SKILLS & EXPERIENCE

Experience working with common operating systems (Linux, Mac, Windows OS)

Scrum/Agile style team management

- Software sprints, daily standups, code reviews and bi-weekly software sprint planning
- Issue tracking using RTC/Jira, experience with the Atlassian tool-suite (Confluence, Bitbucket)

DevOps Tooling & VCS workflows

- Gradle/Maven/Ant build & dependency management systems
- Git, Subversion (SVN), and Perforce version control systems
- Terraform infrastructure as code tool

Containers and Orchestration

- Docker software platform used for building and managing container based applications
- Kubernetes container deployment, management, and orchestration system
- Rancher, Kubernetes management and monitoring toolkit
- Ansible deployment orchestration tool
- Docker Compose multi-container orchestration system

Notable Tools and Frameworks

- AWS cloud services: S3, EC2, ECS, EKS, Lambda, Step Functions, RDS, SNS, Route53, CloudWatch
- OpenSearch, Prometheus, Grafana, and Splunk indexing, monitoring, and visualization tools
- React JavaScript library
- Kong Gateway plugin development
- Spring Java application framework
- Apache Kafka publish/subscribe messaging system

Databases

- Knowledge of SQL and experience using various DBMS implementations Postgres, MySQL

IDEs/Text Editors

- IntelliJ, vi/vim, Eclipse, Visual Studio, VS Code, Pycharm, Sublime Text