
Jack Rudnick

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Flexibility. This is the defining hallmark of my career as a software developer. A passion to learn new things combined with desire to understand has driven me towards this. True leaders know when to pivot and work with those around them to strive for success.

EXPERIENCE

CCAD (Comcast), Horsham PA/Chicago IL - *Principal Engineer*

JULY 2006 - PRESENT

- High contributing **Scala** developer and **Agile** evangelist on SecureMedia project focused on next generation, highly secure DRM technologies.
 - Helped introduce Open Source Software into this project including:
 - **cats** for general purpose purely functional behaviors
 - customized **akka-http** for custom versioning scheme
 - **cedi-config** for purely functional Typesafe configuration
 - **FS2** to conduct exponential backoff for retrying **RESTful** web services
 - Primary investigator of microservice deployment in OpenStack including investigation of technologies such as **Kubernetes**
 - Researched various **Docker**-focused strategies to aid in secure distribution of services
- Contributor to internal Scala-based, microservices framework named Thunderbird also providing entry points into monitoring via **ElasticSearch** based solutions
- Aided in Comcast Lab Week product presentation of Stream Observer to allow for easy monitoring of data packets relevant to MPEG control system. This project leverages cutting edge OSS such as **Scodec** for binary messages and **Scalaz-streams/FS2**
- High contributing Java developer and **ScrumMaster** on various **OSGi**-based modular product solutions, including:
 - DTA control system management
 - Digicipher control system management
 - System for secure deployment and distribution of software/firmware
 - Data transmission carousel to assist in transmitting control system data
- Provided support and performance tuning for any of the above products. This work included large scale software upgrades of internal and external (**OSS**) libraries. Recently entrusted with integrator rights in **bitbucket** to assist in speedy integration.
- Team developer on an established client/server **mobile** based monitoring system for OS/X and Android platforms.
- Always vigilant to look for learning opportunities, and eager to help share information on these topics, from **Git** to **CAP theorem**
- Full-time, remote engineer working from home office outside of Chicago, IL since 2013

BEA Systems/Compoze Software Inc., Wayne PA - *Senior Software Engineer*

NOVEMBER 2001 - JULY 2006

- Lead developer of Java-based Collaboration Portlets built with BEA CMS in WebLogic Portal 9.2 participating in all lifecycle activities.
- Aided WLP Apps team in development of common code used within various Apps.
- Test-subject for WebLogic Workshop (**Eclipse IDE** implementation) during previously mentioned development efforts.
- Lead developer and sales support, responsible for Compoze Collaboration Portlets, leveraging custom built Java APIs integrating Microsoft Exchange, Lotus Domino, and custom Enterprise Java Bean (**EJB**)-based collaboration APIs on the following platforms:
 - Oracle 10g Portal
 - Sun ONE Portal
 - Vignette Application Portal
 - Computer Associates CleverPath Portal
- Co-Lead developer responsible for designing and implementing custom built, **Struts**-like MVC to run in JSR-168 compliant portlets.

Intermedia Interactive Solutions, Philadelphia PA - *Software Developer*

JULY 2000 - NOVEMBER 2001

- Participated in design and development of WebSphere Commerce Suite application providing auction functionality.
- Prototyped peer-to-peer application with focus on security for client managing intellectual property.
- Provided web-based application to administer pre-drivers permit tests with **JSP/DAOs** .

EDUCATION

Drexel University, Philadelphia PA - *Magna Cum Laude* - AUGUST 1995 - JULY 2000

NOTEWORTHY

- Co-organizer and Speaker with the Chicago Area Scala Enthusiasts (CASE)
- Sun Certified **Java** programmer
- Certified **ScrumMaster**
- Minor open-source contributor to **Scodec-Protocols**
- Comcast STAR award recipient by local senior leadership
- Coursera courses including **Scala** and **Cloud Computing Concepts**
- Mechanical keyboard-building enthusiast

REFERENCES

Michael Pilquist, Chief Software Architect of CCAD and Open Source Evangelist