Trampas Kirk

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1459 SE Ankeny St. APT 402, Portland, OR

SKILLS/TOOLS

- **Languages/protocols**: Java, bash, regular expressions, LaTeX, JMS, FIX, XML/XSLT, C/C++, PL/SQL **Tools**: AWS, Netflix Tech Stack (Hystrix, Asgard, Ribbon, Eureka, Karyon, Archaius), gradle, Couchbase, git, memcached, maven, PowerMokito, Spring, Jenkins, Design Patterns™, Intellij, SVN, perforce, Hibernate, AutoCAD, SVN, perforce
- **Operating Systems**: Linux, OS X, Unix, Windows, PowerMAX OS, HP/UX, OpenVMS

EXPERIENCE

Mainz Brady Group / Nike. Inc   Beaverton, OR
Senior Application Engineer   *Nov 2013 - Current (3 contracts, 1 Fulltime)*

- **Notifications Team**: Enhanced and supported a suite of Karyon based microservices that send the majority of email/sms/push notifications to users
  - ∗ Added BCP 47 (international language standard) support to microservices to support sending order and marketing notifications in 33 languages in many countries
  - ∗ Introduced design improvement strategies to a team working on a large, complex suite of services, resulting in easier to maintain code
  - ∗ Introduced and enforced new integration testing standards that reduced future development and testing time
- **Product Services**: Nike Product Information in AWS
  - ∗ Helped grow Nike's direct-to-consumer market by developing a suite of microservices in AWS based on Netflix's tech stack to reliably serve product data exceeding a million hits per minute across all services within a devops environment
  - ∗ Maintained a non-cloud facade service that aggregates older, less user-friendly services to served many diverse clients in a fast and consistent way
- **Social Team**: Enhanced and supported a monolith spring application and ported functionality to AWS microservices
  - ∗ Developed a micro-service based on Netflix's tech stack (Karyon, Ribbon, Hystrix, Eureka, Archaius) to serve business-critical user settings from either a Cassandra cluster, or a foreign micro-service using Ribbon
  - ∗ Rebuilt an ElasticSearch index configuration to force its inherent TF-IDF system to index simpler data more effectively improved search relevancy from dramatically useless to highly relevant
  - ∗ Maintained and implemented numerous feature requests to a monolithic application built using Java, JBoss, Spring, JMockit to ensure continuity of business
  - ∗ Built a program to analyze real world user data to create a memcached cache sized to minimize costs for caching selected data for all users and added that caching ability along with a feature toggle to the monolithic application

Citigroup, Global Derivatives Market   Charleston, SC
Senior Programmer/Analyst   *Dec 2009 - Apr 2013*

- **OCEAN**: Created a multi-threaded pseudo-producer-consumer product that provides realtime message reconciliation in conjunction with another department via hooks into the file system to achieve non-busy-wait monitoring, and dynamic, adaptive message resending capability, and provides an elegant solution to keep the firm in compliance with intraday FINRA reporting requirements.
- **CX TMSLink ACT Reporting recon**: Designed and delivered a scripting product based entirely on common UNIX utilities from requirements to production in one week that allowed automatic reconciliation of order execution data between disparate systems automatically, complete with emailed report generation in two days.
- **LiquiFiCore**: Maintained and enhanced a Dark-pool Crossing Engine
  - ∗ Demonstrated understanding of an unstated need and created an inbound-message validation framework that handles the job so cleanly that no feature has been requested of it since its inception. All existing validation was moved to it upon its release despite being unrequested
  - ∗ Introduced mock-object testing to a legacy project, complete with concrete, highly domain-relevant examples that allow other developers to easily follow suit with creating their own mock-based tests
  - ∗ Modified the above project to build using maven within the continuous integration server, Jenkins, complete with automated static code analysis tool implementation and unit test coverage measurement that provides fast build failure notification and QA

BenefitFocus.com   Charleston, SC
Senior Software Engineer   *Oct 2005 - Dec 2009*

- **Electronic Data Intechange**: Maintained and enhanced the project responsible for all meaningful Output (I/O) from the company
  - ∗ Worked with business stakeholders to design and implement complex data translation software incorporating Java, Oracle, Python, XML, and XSLT to process millions of benefits records on a daily basis

- ∗ Coordinated efforts between engineers and configuration management leading to a streamlined build and deployment process for mission critical business components
- ∗ Spearheaded a company-wide plan for improving code quality, requirements, the estimation process, and automated build processes, leading to more rapid development on more readable, maintainable, reliable code
- ∗ Introduced unit tests and EasyMock testing to a legacy codebase, providing a guide complete with relevant, concrete examples that improve code quality and unit test coverage while allowing new developers to easily follow suit

MSIS Inc.   Dahlgren, VA
Software Engineer   *Fall 2004 - Fall 2005*

- ○ **Multi-OS work for the Navy**: Worked on various projects some of which were classified secret

  - ∗ Designed, implemented and maintained two multi-system software projects from back end data extraction via memory dump reads and shell scripts to storing, processing, and retrieving this information using extremely complex queries to calculate maximum simultaneous users counts for all software in use within one Department of Defense site
  - ∗ Improved the GUI for the simultaneous user tracking program to provide a faster and more helpful interface to the user
  - ∗ Customized University of Michigan's radmind project for use by the DoD, including bug fixes and performance enhancements leading to 100% improvement in system restore speed
  - ∗ Designed and implemented a simultaneous usage tracking algorithm across Unix and OpenVMS systems allowing the client to reduce the number of licenses to actual simultaneous users

King Brothers Fabricating Inc.   Parkersburg, WV
Structural Detailer   *Summer 1999 - Fall 2000*

- ○ **Computer Aided Drafting (CAD)**: Created detailed structural shop drawings of structural steel and aluminum components for industrial and residential clients so they could be fabricated in-shop and erected on-site

EDUCATION

West Virginia Wesleyan College   Buckhannon, WV
Bachelor of Science, Computer Science; GPA: 3.48/4.0 (Overall), 3.7 (CS Major)   *Summer 2000 - Spring 2004*

PROJECTS AND HOBBIES

- Built a small, fast, and simple program to calculate my weekly timesheet tracking and entry and when to leave on Friday
- Moved my LaTeX resume to github (this one)
- Moved my bash profile (wizard's staff) to github
- Contributed a patch containing heap size enhancements to the coberuta maven plugin project
- Hobbies include, but are not limited to: archery, books, video games, and exploring.