Jonathan Gordon 📄

resume at kinobe dot com
[github](#)

Senior Developer

- Quality-driven lead/senior developer with deep experience mentoring teams and self-managing.
- Extensive freelance history has allowed me to develop the skills necessary to marshall a project from proposal through implementation.
- Demonstrated ability to innovate "Why didn't I think of that?" solutions to amorphous problems.
- Extensive Java, Python, SQL/ORM, and network application experience.
- DevOps experience working with AWS and docker containers.
- I am an avid problem solver. I enjoy puzzling through challenges, whether they be programming tasks, infrastructure issues, or architecture difficulties. It's embedded into my being and carries into my personal life as well, from improving my swim stroke to solving KenKens, crossword puzzles, and acrostics. I am intrinsically motivated to complete tasks and refine solutions.

Technical Skills

Languages	Java (Tomcat, Hibernate, Maven, Ant, Struts), JVM Languages (Scala, Groovy), Python (Pyramid, SQLAlchemy, pip), SQL, JavaScript (jQuery, Angular, React, Node.js), Ruby (Rails, ActiveRecord), Perl, Bash, PHP, C
Database Administration	MySQL, PostgreSQL, MS SQL Server, Oracle (PL/SQL)
Amazon Web Services (AWS)	IAM, EC2, RDS, S3, ElastiCache, VPC, SES
Docker	docker, docker-machine, docker-compose, docker registry
Internet Technologies	XHTML, CSS, JSP/Servlets, XML, Git, RabbitMQ, Celery, Ant, Maven
Administration	Servlet Container (Tomcat), Web Server (nginx, Apache, IIS), Atlassian (Jira, Bitbucket, Confluence, HipChat), Jenkins, DNS (bind), Firewall, NAT (ipchains/iptables), Mail Server (qmail)
Development/Deployment Platforms	Linux, OSX, AWS EC2

Experience

Senior Developer - Ocrolus, LLC, February 2015 - April 2016 (Portland, OR)
Ocrolus, LLC - Software startup focused on automating the process of reading and analyzing bank statements
Hired as a senior developer, my role expanded to also include Security and DevOps.

Achievements include:

- On my own initiative, researched, proposed, documented, developed, and implemented a novel solution using inheritable config files and mustache templates to fix our code configuration issues that had been plaguing the team for months.
- Transformed our ad-hoc deploy from an unreliable, unpredictable, manual, error-prone, two-week process to a **docker**-based single script that worked across development, testing, and production. Included in the deployment was:
    1. A flexible **pip**-based **docker** deployment system that could deploy from either branch heads or semanitcally versioned **git** tags, which pulled from 14 internal git repos and 69 pinned pip repos
    2. A rollback system (both code and data)
    3. A data migration system (**Alembic**)
    4. A multi-docker machine log capture system
    5. HipChat notifications on success/failure
    6. Graceful diversion to maintenance pages
- Co-designed and implemented a **Vault**-based secret management system so we could remove secure data (AWS access keys, passwords, etc.) from our code repositories
- Responsible for assessing security for our application, vpn, AWS, email, and internal services

Languages	Python, JavaScript, SQL, Bash
Frameworks	Persistence: SQLAlchemy; Caching: Redis; Messaging: RabbitMQ; Distributed/Asynchronous Task Queue: Celery; JavaScript: Node.js, React, Gulp, jQuery, Bootstrap; Testing: Selenium;
Cloud	AWS: EC2 (Security Groups, Load Balancing), IAM, S3, RDS, ElastiCache (Redis), VPC, Route 53, SES
Build	Docker
Version Control	Git
IDE	IntelliJ (PyCharm plugin)

Sole Developer - Consultant, 2002 - Present (Portland, OR and New York, NY)
Shambhala Publications - Independent book publisher and seller

- Designed and implemented a **Java** web application to create and manage mailings lists for both email and postal mailing campaigns.
- Developed a sophisticated and performant matching algorithm to link mailing records (10M) with orders (400K) that enables my clients to make business decisions on how to best spend their marketing dollars.
- Developed a web-based replacement for a word processor based catalog creation tool that is so fun and intuitive to operate that my clients literally argue over who gets to use it next.

Languages	Java (Streams, Lambdas, Generics, Enhanced for Loop, Autoboxing/Unboxing, Typesafe Enums), Groovy (Builders, closures, GStrings), JavaScript, SQL, XML, XHTML, JSP, Bash
Frameworks	Persistence: Hibernate; Caching: ehcache, OSCache; Dependency Injection: Spring; Messaging: SOAP (Apache Axis2); AJAX: jQuery; Testing: JUnit 4.x (Annotations, HSQLDB); Logging: Apache Commons Logging, Log4J; Runtime Performance

	Monitoring: JETM; Web: Apache Struts; Documentation: Docbook
Build	Apache Ant
Version Control	Git
IDE	IntelliJ

Sole Developer - Consultant, 2014 - Present (Portland, OR)
Inner Traditions • Bear & Company - Independent book publisher and seller

In full cooperation with Shambhala Publications, expanded and resold the software built to handle mailing campaign, catalog management and reporting.

Sole Developer - Consultant, 2009 - Present (Portland, OR and New York, NY)
Pono'i - Privacy software

- Modernized code to current **Java** version, added testing, improved architecture, and implemented new security features.
- Spearheaded task of creating technical **UML** documentation for patent application.
- Significant experience with cryptography packages (JCE, Bouncy Castle).

Sole Developer - Consultant, 2008 - 2013 (Portland, OR and New York, NY)
Geneva College - Private, four-year college

Created a novel solution that allowed prospective students to save their work in progress on Geneva's online application form. The program required no change or even awareness of the html form designer, used **Groovy** (backend) / **JavaScript/jQuery** (frontend) to avoid compilation and used an **XML**-based file data store to provide the most transparent solution for the non-technical project owners.

Co-Developer - Consultant, 2002 - 2006 (Portland, OR)
Mandala Designs - Boutique software development and hosting firm

Primary back-end developer for several **Java** web applications: E-Commerce ([Samovar Tea Lounge Store](#)), Publishing ([Inner Traditions](#)), and Education (Marylhurst University Course Evaluations, not public).

Sole Developer - Consultant, 2000 (Seattle, WA)
Formix - High-performance computing consultancy

Designed and built a web-based host administration application for a heterogeneous computer network. The application maintained the information necessary to provide network services (DNS, DHCP, YP/NIS) to all computers on the network. Implemented robust error handling as well as extensive run-time configuration options.

Technical Lead - Employee, 1997 - 2000 (San Francisco, CA)
Viant - Dot-com Internet consulting firm

Technical Lead	- *Innovation Center*: Implemented dynamic, multi-tier web applications, including wireless technologies on WAP phones and Palm devices.

	- *Compaq project*: Led a team of three developers to enhance a custom CMS. Key feature additions included a more robust security scheme coupled with a single sign-on solution for three of the Compaq sites. - *Tandem Personalization project*: Led a team of four developers to enhance a custom CMS. Key feature additions included developing a sophisticated rule engine that allowed administrators to build targeted banners based on user behavior and preference selection, as well as allowing users to create their own profile-based personal links to both internal and external content.
Senior Developer	- *Tech Center*: Wrote re-usable code for several projects, including a **Java** web stress tester, an automated survey handling tool, and the Focus Workspace Browser (FWB), an internal knowledge management application. Gave a presentation of my work on the FWB at IBM's WebSphere 2000. - *Compaq project*: Developed a **Java** codebase using object oriented programming with hooks for extension/enhancement. Provided guidance to more junior members of the development team. - *Online college application services company*: Performed a technical architecture audit of their current site. Performed an application stress test using Viant's custom **Java** web stress tester.

Within Viant, was a member of the technology discipline and was a member of the San Francisco mentoring group. Member of the IT group as backup for the San Francisco-based Information Technologist. Played an active role in recruiting, serving as the Haas School of Business recruiting captain.

Developer - Employee, 1996 - 1997 (San Francisco, CA)
Andersen Consulting - Global management consulting, technology services and outsourcing company

Developer for a global customer service client-server application at Informix Software. Development planning and resource allocation, customer data modeling and database design, detailed technical design, customized application development, system test preparation, performance tuning, interface design and development.

Education

Cornell University: B.S. in Environmental Systems Engineering
Teaching Assistant for ABEN 151: Introduction to Computing

Activities/Interests

- Triathlon enthusiast. Beware, I may convince you to join me!
- Member of the Portland Timberfish
- Puzzler! Rubik's Cube (under 60s), crosswords, KenKens, acrostics, etc.