Nathan Contino

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EDUCATION

UNIVERSITY OF ROCHESTER, *Rochester, NY*   AUG 2013 - MAY 2017
Bachelors of Science in Computer Science; Bachelors of Art in English
GPA 3.86; Dean's List 8/8 Semesters

WORK EXPERIENCE

SENIOR SOFTWARE ENGINEER (EDUCATION), *MongoDB*   JUL 2019 - CURRENT
Kotlin, Python, Java, Javascript, rST.
- Wrote developer-focused tutorials and documentation for MongoDB Server, MongoDB Realm, MongoDB Stitch, and the MongoDB family of drivers
- Responsible for all MongoDB Realm Java and Kotlin SDK documentation, tutorials, and sample applications.
- Developed and implemented a markup syntax and parser that enabled the team to unit and integration test code samples and tutorials.

SOFTWARE DEVELOPER (BLOOMBERG INDICES), *Bloomberg LP*   JUN 2018 - JUL 2019
C++, Comdb2, Python, Javascript.
- Helped design, optimize, and improve the Bloomberg Indices API layer for custom index value calculations.
- Designed and implemented an LRU cache and cache invalidation system for calculation results.
- Debugged, triaged, and resolved client-reported bugs in the UI and calculation pipeline.

SOFTWARE DEVELOPER (DEVELOPER EXPERIENCE), *Bloomberg LP*   MAY 2017 - JUN 2018
Java, Node, Postgres, Kafka.
- Designer and developer of central platform for a continuous integration/continuous modernization effort.
- Recommended best practices / code templates for various common project types across the company.

WORKSHOP LEADER/TEACHING ASSISTANT, *University of Rochester*   AUG 2014 - MAY 2017
- Led workshops and graded assignments, quizzes, and tests for 5 different classes, 8 semesters total:
    Introduction to Java, Introduction to Data Structures, Computational and Formal Systems, Honors Research Seminar, and Artificial Intelligence
- Planned and directed test review, student testing, and quiz/test grading sessions.

PROJECTS

HULK, *C++, Bloomberg Message Queue, SQL*   2019
Cache sitting in front of a memory/CPU intensive calculation engine.
- Improved average query performance by multiple orders of magnitude.
- Refreshed invalidated index calculations each day without interfering with interactive user traffic.

DEVISE, *Javascript, Java, Kafka, PostgreSQL*   2018
Engineering department-wide CI/CD Platform.
- Aggregated events from JIRA, GitHub Enterprise, an internal bug/feature tracker, Jenkins, and SonarQube.
- Automated Jenkins onboarding, webhook installation, releases, and deployments.

SMARTWATCH COFFEE INSTRUCTOR, *Pebble Smartwatch, C*   2015
Created Pebble smartwatch application containing interactive recipes for the Aeropress coffee brewer.

SKILLS & INTERESTS

Languages: C++ (proficient), Java (proficient), Python, Javascript, SQL
Activities/Interests: Recruitment, Campus Outreach, Teaching, Coffee, Craft Beer, Running, Biking, Hiking