Zachary Brown

<Personal info redacted for web>
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zackrbrown.com

Professional Experience

Software Engineer   February 2019 - Present
EquipmentShare   Kansas City, MO

- Development on Python Flask REST application
- Designed PostgreSQL schemas
- Worked with a continuous release process
- Close customer interaction

Software Engineer   May 2016 - January 2019
Nerdery   Kansas City, MO

- Client: High Profile Food Delivery App
  - Created and maintained through deployment a Spring microservice to handle sending delivery orders to restaurants via fax machine
  - Evaluated PDF generation libraries for efficiency at scale
  - Worked on payment-handling Dropwizard microservice that handled all payment transactions, maintaining their statuses and handing them to a payment processor as needed
  - Microservices both used Cassandra as their database
- Client: Medical Device Manufacturer
  - Developed JavaFX desktop application to upload data from consumer blood glucose meters
  - Created many custom controls during development for reusability
  - Worked with designers to ensure their vision was properly represented
  - Created a fluent API for communicating with legacy USB and serial device libraries

Software Engineer   June 2011 - May 2016
Cerner Corporation   Kansas City, MO

- Development on RCP application
- Work individually and with designers on UI design
- Communicate with multiple teams on a continuous basis
- Responsible for reviewing code and assisting new engineers in development
- Design architecture for both new and refactored projects
- Fix production defects while collaborating with support staff

Software Engineer Intern   May 2010 - July 2010
Cerner Corporation   Kansas City, MO
- Developed front-end software using Visual C++ using MFC
- Corrected software defects and tested fixes

Programmer   May 2009 - September 2009
Sciengistics, Inc.   West Des Moines, IA
- Developed features for a web application using ASP.NET, Javascript, and C#
- Designed database tables and queries using MS SQL Server 2008

Software Design Engineering Intern   May 2009 - May 2011
Iowa State University IT Services   Ames, IA
- Developed modules for employee web portal using PHP and Javascript
- Developed for university web services using HTML, C, and SH scripts
- Researched and implemented unfamiliar technologies

Technical Assistant   February 2008 - April 2009
Iowa State University Solution Center   Ames, IA
- Repaired computers by removing viruses and spyware
- Helped customers with computer and network problems

Education

BS, Computer Science, Design Studies
Iowa State University, 2007-2011

Skills

- Languages: Java 12, JavaScript, Python, HTML, CSS, SQL, SH scripting
- Frameworks/Libraries: RCP, SWT, OSGi, JDBC, JavaFX, Spring, Flask, SQLAlchemy
- Databases: PostgreSQL, Cassandra
- Tools: Jenkins, JIRA, Eclipse, Intellij, Maven, Gradle, SVN, Git, Unix CLI, Docker
- Proficient using design patterns in an object-oriented language
- Proficient using functional concepts