

Chris Dempewolf

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Experience

Octimine/Dennemeyer, Munich, Germany — Senior Data Engineer 2021 — 2022

- Shaved days off weekly batch job by using Kafka to process legal data in real time
- Helped show estimates of patents' values by integrating new metrics into pipeline
- Improved company culture by opening up chats, increasing and organizing documentation
- Created a peer-reviewed method for updating ElasticSearch mappings

SimplyMeasured/Sprout Social, Seattle, WA — Software Engineer II 2015 — 2018

- Centralized auth, rate limiting, request transforms to microservices via API gateway
- Helped customers get metrics by building map/reduce jobs to process comments in HBase
- Got data to customers via collection, HBase, ElasticSearch, API to front-end dashboard
- Used Jenkins and Chef to help DevOps set up CI/CD for microservices in AWS

DataRank, Fayetteville, AR — Software Engineer 2013 — 2015

- Architected and built company data collection
- Mentored junior developers to help with data collection
- Cut development costs by generically handling API rate limiting, token pools, persistence
- Persisted thousands of comments per second from Twitter, Facebook, Instagram to HBase
- Contributed to scalable crawling framework to gather data from review sites and forums

Streamix, Fayetteville, AR — Web Development Intern 2012 — 2013

- Built an automated DJ web app using an in-house PHP MVC framework

Walmart, Bentonville, AR — Information Systems Intern 2012

- Improved Walmart internal tooling using Hibernate, Spring, and JBoss

Other Work Experience

Mexico — Freelance English Teacher 2020 — 2021

Taught English to impoverished children and mentored teachers on student-centric learning

Ozark Literacy Council, Fayetteville, AR — Volunteer English Teacher 2018 — 2019

Used goal-setting, SMART objectives, and various learning techniques to teach English to international students

Skills

Languages : Java, Python, shell, Awk, Kotlin, SQL, HTML/CSS, PHP, Ruby

Tools : ElasticSearch, PostGres, MySQL, Kafka, Spring, Docker, Maven, Vim, Emacs, static site generators

Projects

Java SDK for Pinterest API built in Kotlin

First publicly available Java SDK for Pinterest API — released on [Maven Central](#)

Cellular Automata built in Java

256 one dimensional cellular automata demonstrate how complex behaviour arises from simple rules

Education

Spring International Language Center, University of Arkansas, Fayetteville 2018

TEFL (Teaching English as a Foreign Language) Certification

University of Arkansas, Fayetteville 2008 — 2013

B.S., Computer Science, Cum Laude, GPA 3.5

Publications

Identification of Consensus Glycosaminoglycan Binding Strings in Proteins 2013

Lead author of paper [published in IEEE](#) determining a protein's feasibility of binding to heparin