

KYLE CHATMAN

SOFTWARE ENGINEER

CONTACT

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KEYWORD DUMP

Java, Python,
Kotlin, JavaScript,
C, HTML, CSS,
SCSS, Git, IntelliJ,
Android Studio,
Android, Spring
Boot, Thymeleaf,
Java Persistence
API (JPA), JUnit,
Swing, Hibernate,
REpresentational
State Transfer
(REST), Django,
Flask, Jinja2, SQL,
SQLite,
PostgreSQL, Web,
algorithms, data
structures, Object
Oriented
Programming
(OOP), Object
Relational mapping
(ORM)

Introduction

Kyle Chatman is an entry-level software engineer with 12 years professional experience in engineering projects. He's adaptable, versatile, resourceful, efficient, and looking for problems to solve. Past teammates say he "impressed with thoughtful practical solutions," is "efficient in communication," "responsive," "cooperative," "collaborative", "creative in problem solving," "well organized," and "a pleasure to work with," with a "calm and consistent style" (see LinkedIn)

Education

Self-Directed Courses:

- Design Patterns in Java (Udemy)
- The Complete Android Oreo Developer Course (Udemy)
- Data Structures (UCSD - Coursera)
- Algorithms (UCSD - Coursera)
- Programming with Java II (University of Helsinki - mooc.fi)
- CodeGym Level 11
- CS50W - Web Programming with Python and JavaScript (Harvard - edX)
- CS50 - Introduction to Computer Science (Harvard - edX)

College:

- Master of Science in Structural Engineering and Geomechanics - Stanford University
- Bachelor of Science in Civil and Environmental Engineering - University of California, Berkeley

Experience

Learning Projects:

See cs.kchatman.com for details, including projects with source code, video demos, and live apps. Below are some examples.

- Pixel Dungeon Echo - Mod of a popular open source roguelike dungeon crawler. Live on Google Play. Learning Game development, Android, Java, working with a legacy codebase.
- Collatz - Live web app for exploring sequences like that of the Collatz Conjecture. Learning Java, Spring Boot, JUnit testing, Thymeleaf, PostgreSQL, web development.
- GifTessera - Android app for creating simple animations and animated gifs. Live on Google Play. Learning Kotlin and Android.
- Racetrack - Downloadable (jar) implementation of the classic pencil and paper game with an AI solver. Learning Java, Swing.
- Dragon Curve Maker - Live web app for exploring this class of fractals. Learning Python, JavaScript, HTML, CSS, SQL. D3 visualization, Django, web development.
- The RPSer - Live web app that tries to learn to beat you at rock, paper, scissors. Learning Python, JavaScript, HTML, CSS, SQL, Django, web development.

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KEYWORD DUMP

seismic evaluation,
retrofit, renovation,
strengthening, new
construction,
multi-family, public,
hospital, high-rise,
religious, remodel,
residential, historic,
commercial, steel,
concrete, wood,
micropiles, precast,
PT concrete, FRP,
URM, light-gauge,
nonlinear analysis,
code development,
Revit, SAP 2000,
ETABS, Bluebeam,
RISA 3D, RAM
Concept, ASCE 41

Past Career:

In his past career, Kyle had about twelve years experience analyzing, designing and managing the design of structural systems for buildings. That experience will be useful in any work centered on engineering projects. Strong communication skills were required to coordinate with team members in a wide variety of fields (architects, engineers, contractors, etc.). He reliably brought major projects to successful conclusion as leader of a team, team member, or solo. He showed himself to be an efficient and effective designer of solutions for problems large and small and routinely managed several projects simultaneously.

OLMM Consulting Engineers - Nov 2012 to Feb 2019 Sample Projects:

Paseo and Vista Estero - Brooklyn Basin, Oakland

New six story building over 300k sqft with 211 affordable housing units. Leader of structural team over several engineers and building information modeling (BIM) technicians.

The Mexican Museum and Four Seasons Private Residences - SF

New 45 story high rise added to existing 116-year-old ten story office building. Museum in bottom four stories, luxury condos above. Leader of OLMM structural team, partnered with MKA team.

Westbrook Apartments - Hunter's Point, SF

Existing site with 37 apartment buildings totalling over 250k sqft, with 226 units of affordable housing. Evaluation and renovation. Sole structural engineer for the project.

Natalie Gubb Commons - SF

Three new buildings with 120 units of affordable housing. Leader of structural team finishing design and through construction.

Solaire Apartments / Beale Street Affordable Housing - SF

32 story tower, 8-story mid-rise, seven 3-story townhomes. 402 market-rate and 70 affordable housing apartments with parking below. Leader of OLMM structural team, partnered with MKA team.

Degenkolb Engineers - Aug 2007 to Sep 2012 Sample Projects:

Ogden Utah Temple and Tabernacle - Ogden, Utah

Major remodel and seismic strengthening of significant LDS temple and neighboring tabernacle. 115k sqft. Leader of Degenkolb team and provided oversight of partner local firm.

VA Palo Alto Polytrauma and Blind Rehabilitation Center - Palo Alto

Three story hospital building, 174k sqft, new design with blast hardening. Lead design engineer.