DANIEL VALENCIA BACKHOFF

Software Engineer and Technical Leader

DETAILS

PHONE
+1-(415)-941-0904

EMAIL
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LINKS

www.danvalencia.dev

SKILLS

Java

JavaScript

React

HTML & CSS

SQL

Bash/CLI

Kubernetes

Google Cloud Platform

PROFILE

I have over 15 years of experience as a software engineer and technical leader across a diverse set of projects that span from greenfield development to complex integration projects with startups and enterprises in the fields of eCommerce, media, real estate, and AEC.

I treat software development as a craft, and I like my code well tested. I know that test coverage is important, but 100% coverage is impractical.

Collaboration is important to me, and I love bouncing ideas with fellow teammates. I enjoy mentoring and being mentored, and have held people management and leadership positions

EMPLOYMENT HISTORY

Director of Engineering, HELIX RE   San Francisco, CA

Feb 2020 — Present

Hands-on role where in any given day I do a variety of things including:

- Work closely with our CEO to define the product roadmap.
- Design and implemented new features for the HELIX platform.
- Project Management, using scrum methodology.
- Release Management, QA and production troubleshooting.
- Manage a team of 7 engineers distributed globally across US, Mexico and Eastern Europe.
- Manage our Mexico office.

Tech Stack: Spring Boot, ReactJS, Redux, PostgreSQL, GCP.

Senior Software Engineer (Founder), HELIX   San Francisco, CA
RE

Feb 2018 — Feb 2020

Co-architected and built the HELIX platform from scratch.

My main accomplishments include:

- Designed and implemented APIs for photo tour creation, point cloud management, job scheduling and orchestration, resumable file uploads and user registration.
- Implemented authentication/authorization mechanism for the HELIX platform.
- Managed a team of 4 engineers distributed globally in London, San Mateo and Guadalajara.
- Incorporated our software development office in Guadalajara, Mexico, where I grew a team of 4 engineers from scratch, and currently actively manage.

Tech Stack: Spring Boot, ReactJS, Redux, PostgreSQL, Kubernetes, Terraform, Helm Charts, GCP (Cloud Datastore, Cloud Pub/Sub, Cloud Storage.)

Senior Software Engineer, FLUX Data   San Francisco, CA

Dec 2017 — Feb 2018

Responsible of maintaining and building new features for the Flux platform.

Some of my accomplishments include:

- Built a scalable file datastore by repurposing an existing JSON blob store to support any content type.
- Main owner of the Flux legacy platform built with Golang.

Tech Stack: Golang, MySQL, Google Cloud Storage.

Vice President of Engineering, Tacit Knowledge   Guadalajara, Jalisco, México

Nov 2015 — Nov 2017

Hands-on role where I'm responsible for the engineering excellence and success of our consulting projects as well as management and growth of our engineering staff.

Some of my main accomplishments include:

- Re-engage employee collaboration and knowledge-sharing by implementing weekly lunch and learn sessions.
- Led the implementation of a company wide Tacit Knowledge blog.
- Improved our local community presence by co-organizing the local Java User Group meetup.
- Participated in multiple speaking engagements in the local JUG community and the eCommerce community.
- Led the successful delivery of projects with clients such as Loblaws and Newgistics.

Tech Stack: Spring Boot, ReactJS, Redux, MySQL, Adobe AEM, Hybris.

Senior Software Engineer, Tacit Knowledge San Francisco, CA

Aug 2011 — Oct 2015

Hands-on technical leader, successfully delivering eCommerce and Web Content Management projects for Fortune 500 companies.

Simpson Strong Tie

Tech Lead for a PIM and WCMS implementation built on top of SAP Hybris.

Target

Tech Lead for the redesign of Target's flagship iPad App. Conversion rates tripled and revenue doubled compared with the previous version.

Audi of America

Tech Lead for the Audi Sales Assist iPad application for Audi USA Dealers. Application built on top of Adobe AEM using Content Sync technology.

Nike

Developed and executed performance testing strategy for Nike's custom DAM solution.

Tech Stack: Hybris, Adobe AEM, MySQL, iOS, HTML5, Apache Solr.

Software Engineer, Tacit Knowledge

Guadalajara, Jalisco, México

May 2008 — Aug 2011

Participated in several successful consulting projects in the domains of eCommerce and digital media, with clients such as Converse, Williams-Sonoma, Kodak, HEB and Navigenics.

Tech Stack: Java, Hibernate, Spring, MySQL, Java, C#, Endeca, Day CQ5.

EDUCATION

Bachelors in Electronic Engineering, ITESO

Guadalajara, Jalisco, México

2000 — 2005

Sun Certified Java Programmer

2007

EXTERNAL PROJECTS

Burning Man "Hands" Art Installation

San Francisco, CA

2013

- Designed and build electronics using Arduino prototyping platform and individually addressable LEDs.
- Wrote iOS application with a custom drawing UI to interface with LEDs by means of sending commands via Bluetooth (https://vimeo.com/72212981).