



# Dan Jones

## Software Engineer and Architect

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📍 Open to remote positions

### OBJECTIVES

Strategic and results-driven Solution Architect with 10+ years of experience designing and delivering scalable, secure, and high-availability systems across cloud and on-prem environments. Proven expertise in cloud architecture (AWS/GCP), microservices, and API-driven platforms with a strong background in Go, PHP, Node.js, and Python. Adept at modernizing legacy systems, defining reference architectures, and leading cross-functional engineering teams to implement innovative solutions that accelerate business outcomes.

### SKILLS

- **Architecture & Cloud:** Microservices • Event-Driven Systems • REST • Domain-Driven Design • CI/CD • Containers (Docker, Podman) • AWS • GCP • Back-end Architecture
- **Leadership & Delivery:** Technical Vision & Roadmaps • Mentorship • Agile / Scrum • Cross-Functional Collaboration • Product Development • Problem Solving • Communication
- **Languages & Frameworks:** Go • PHP (Laravel, Wordpress) • Python • Javascript (node.js, Vue.js, React) • HTML • CSS (SCSS)
- **Databases & Tools:** MySQL • MongoDB • Linux • Git

### WORK EXPERIENCE

- **Senior Consultant** / Oteemo September 2024 - present
  - Senior Engineer on the US Air Force Platform One Vulnerability Assessment Tracker, enhancing security posture and reducing critical vulnerabilities by 15% in a hardened Docker registry.
  - Architected migration of monolithic infrastructure to microservices, improving scalability and maintainability.
  - Mentored and led junior developers; conducted interviews and code reviews.
  - Developed AI-driven container hardening integration for DefectDojo to automate vulnerability remediation.

*go, microservices, node, MySql, React, Docker*
- **Principal Software Engineer** / LenderHomePage August 2024 - September 2024
  - Developed and maintained critical backend services for mortgage lending platform, ensuring high availability and data integrity.
  - Collaborated with cross-functional teams to integrate new features and optimize existing workflows.

*Laravel, PHP, microservices, MySql*
- **Principal Software Engineer/Back-end Architect** / GRIN August 2021 - May 2024

Principal Engineer and Architect at social media SaaS company

  - Designed and led implementation of distributed microservices architecture in Go, enabling horizontal scalability and improved platform stability.
  - Implemented unit testing framework and CI automation, reducing defect rates and deployment time by 30%.
  - Recommended architectural strategies and supervised architectural changes using domain-driven design, leading

- to a 20% improvement in system performance and scalability.
- Conducted architectural reviews, supervised refactoring of core services, and introduced event-driven integrations.
- Mentored engineering staff and led training on modern development methodologies.
- Interviewed prospective new hires
- Expanded platform with multiple Vue components

*Laravel, PHP, go, microservices, PHPUnit, MySQL, mongodb, Vue*

• **Senior Web Developer** / BubbleUp February 2020 - July 2021

Senior Developer for marketing firm with clients in multiple industries. Sites range from low traffic, to extremely high.

*Yii, WordPress, PHP, MySQL, AWS, Drupal, custom sites*

• **Project Manager/Tech Lead** / Raven October 2017 - January 2020

Lead for API project. Developed Laravel-based API for document management service.

- Partner with CEO to develop technical vision
- Articulate vision to stakeholders
- Supervised team of five developers
- Mentored and encouraged junior developers
- Ran weekly Scrum meetings

*Laravel/Lumen, PHP, PHPUnit, MySQL, Google Cloud Platform, Google App Engine, Google Cloud SQL, mongodb, redis, Google Datastore, Google Cloud Storage*

• **Senior Full-Stack Developer** / Analyte Health July 2016 - October 2017

Full-stack development for multiple websites in the health industry, including STDCheck, HealthLabs, UTI Treatment.

- Spearheaded significant code refactor, leading to a 30% reduction in technical debt and improved maintainability.
- Developed secure applications, compliant with HIPAA regulations
- Built frontend components in AngularJS and React

*PHP, PHPUnit, MySQL, Laravel, Eloquent, Javascript, jQuery, AngularJS, React*

• **Bootcamp Instructor** / Trilogy Education in association with the University of Texas October 2016 - May 2017

Taught Full-stack coding bootcamp. Six month program to introduce students to basics of full-stack MERN development and computer science principles.

*Eucation, HTML, CSS, Javascript, jQuery, APIs, AJAX, Node, Express, MySQL, sequelize, MongoDB, mongoose, PHP, Laravel, Python, React, React Native*

• **Back-end web developer** / Server Monkey November 2015 - July 2016

Develop Magento-based eCommerce site

*PHP, MySQL, Magento, XML, Javascript, jQuery*

• **Back-end web developer** / Hubbard Radio July 2010 - November 2015

Web developer (primarily focused on back-end) for two major news organizations: **WTOP** and **Federal News Radio**

- *WTOP StormDesk Closings*
  - Wordpress plugin to display school, business, and government closings during inclement weather. - Includes login system for schools to close schools without newsroom involvement - Permission system to give users specific rights to modify individual closings, all closings, or administer the system
- *NewsQ*

- Designed MySQL database to store data about social ranking of stories on website. - Wrote application to fetch data from various social media sites (Facebook, Twitter, Digg, etc.) in order to rank stories according to popularity. - Created front-end resources to display data.

*PHP, WordPress, HTML, CSS, Javascript, jQuery, MySQL, Memcache*

• **Programmer** / University of Texas – Mechanical Engineering Department

May 2008 - May 2010

Maintained website, wrote news stories, and oversaw a number of projects to improve the website

- *Senior Design Projects Database*: Designed MySQL database to hold information about past Senior Design Projects. Built from scratch front-end to search database and display information.
- “Intranet” site: Built Wordpress site to host department updates, and information specifically for faculty and staff. Created custom Wordpress theme to match theme of the main site.
- *About Section*: Created entire section of website for recruiting purposes. Did extensive research.

*PHP, XHTML, HTML Forms, Wordpress, CSS, Writing*

## EDUCATION

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**Bachelor of the Arts - Theater**

August 2004 - May 2008

University of Texas at Austin

## SELECTED OPEN SOURCE PROJECTS

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- **ezcache** Dead simple in-memory caching library for Go, designed to improve application performance by reducing database load and API calls.
- **nomino** Go library for random filename generation, useful for creating unique identifiers and preventing naming conflicts.
- **gin error middleware** A middleware for Go Gin framework and wrapper functions to make handling errors easier and more idiomatic, improving API robustness.
- **Responsible Errors** A small Go library that provides errors that can be more useful in the context of a web app. The heart of gin error middleware, it enables structured and user-friendly error responses.
- **droplogger** Python logging application especially suited for life-logging with IFTTT and Dropbox, providing automated personal data collection.
- **my-log** A work-in-progress complete rewrite of droplogger in Go, aiming for improved performance and maintainability.
- **strip-beats** Go CLI app for transforming a folder of music videos and music files, with semi-automatic tagging and a user-friendly TUI, streamlining media organization. \*This is a work in progress. Not yet fully functional.\*
- **Object Spy** PHP debugging library that makes it easy to inspect private properties and methods without using reflection, simplifying complex debugging tasks.
- **http go status** Super simple web server that just returns the HTTP status you ask for, useful for testing and debugging HTTP client behavior.