

David Emerson

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Seeking a full-time opportunity in Software Engineering or Software Product Management

Strengths

- ✿ **Team building:** skilled at recognizing people's talents, and nurturing them to grow
- ✿ **Collaborative design and decision making:** good listener, effective discussion leader
- ✿ **Communication:** ability to fluidly communicate complex topics with technical and non-technical people
- ✿ **Balance:** keep a genuine, calm smile while enthusiastically producing exceptional products

Languages and Tools

- ✿ **Bash, Linux:** *intermediate:* 8+ years experience as SysAdmin for 5-10 installations
- ✿ **C:** *novice:* experience customizing existing Open Source projects and studying code written in C
- ✿ **Git:** *intermediate:* 8+ years for source code management, personal and professional
- ✿ **GitLab, JIRA:** Trained and comfortable
- ✿ **Javascript:** *novice:* wrote custom functions and debugged template functions, including jQuery, AJAX
- ✿ **MySQL:** *novice/intermediate:* designed and implemented databases for several projects
- ✿ **Object-Oriented Programming:** *advanced:* extensive experience in Object Modeling, Polymorphism, Interfaces, Generics/Templates, Multi-threading, and other features shared by powerful OOP languages
- ✿ **PHP, HTML, CSS:** *intermediate:* 20+ projects, ranging from adding components to building entire sites
- ✿ **Python:** *intermediate:* hobby projects; passed numerous interview challenges using Python 2 & 3

Experience

Sep 2008 – Mar 2017: AngelBase. Software developer and product manager

- ✿ Managed software development life cycle
 - Led requirements, architecture and design meetings
 - Led code reviews
 - Implemented Git and GitLab for version control and issue tracking
- ✿ Managed transition from command-line to GUI application
 - Led team-based design and implementation of lattice-centric diagram editor
 - Oversaw integration of widget set (fpGUI) and Anti-Grain Geometry framework (AGGPas)
 - Utilized OOP Interfaces for modular design, enabling support for alternate front-ends
- ✿ Managed back-end data storage system and API
 - Implemented efficient data types, tripling execution speed
 - Standardized calls to data store, improving coding efficiency and elegance
 - Used *sed* scripting to automatically refactor existing codebase to conform to new API
 - Championed and oversaw implementation of modular data storage design. Board members agreed that the result will facilitate important business opportunities
- ✿ Responsible for Corporate Accounting: created and maintained ledgers for several corporate entities

Interests

Information Security, Accounting, Law, Economics, Bicycling, Meditation and Yoga, Dancing, Classical Guitar, Choral Singing, Vedic Chanting, Camping, Cooking, and Teaching of all sorts

Education

Bachelor of Science in Physics, UCLA, 2001