Tim Maffett

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PROFESSIONAL SUMMARY

Principal Software Architect with over 15 years of experience in the design, development, and delivery of full-stack and mobile software systems. Proven ability to work independently, as well as lead and manage teams, mentor junior engineers, and deliver high-quality results on time and within budget. Expertise in evaluating a project and determining the optimum development solution to achieve the best possible outcome. Extensive experience developing cross platform applications for Windows, macOS and Linux and mobile applications for Android and iOS.

AWARDS

Google Open Source Award

- Received a Google Open Source Peer Bonus in 2022 for outstanding contributions to the open source community for DartPad/Dart/Flutter.

SKILLS

- Software Architecture/Design/Development
- Software Development Life Cycle
- Agile / Scrum Development
- Dart / Flutter
- Javascript / TypeScript
- Node.js
- React/React Native
- Java / Kotlin
- C / C++
- C# / .Net
- Python
- PHP
- SQL / NoSQL
- HTML / CSS
- Cloud Computing/DevOps
- Continuous Integration/Continuous Delivery (CI/CD)
- Unit/Integration/System/ Performance/Security Testing

WORK HISTORY

PRINCIPAL SOFTWARE ARCHITECT   *12/2020 to CURRENT*
HiveRight

- Designed, developed and delivered Dart/Flutter based Firebase backed Apiary Management System
- Capabilities include online/offline use with automatic data replication, background data collection via bluetooth, gps and device sensors
- Backend web interface for operation oversight and management, including dynamic creation of google sheets.

CHIEF OF TECHNOLOGY OPERATIONS   *06/2016 to 11/2020*
International Conferences Group

- Developed software for a variety of projects, including websites, mobile apps, internal operations and back-end systems.

PRINCIPAL SOFTWARE ARCHITECT, •DOTMATICS   *09/2011 to 05/2016*

- Designed, developed and delivered widely acclaimed, best of class Dotmatics for Microsoft Office (D4O) product suite, Lead development of cross platform Elemental chemical drawing application available on Windows, Mac Os X, IOS, Android and Linux platforms.

PRINCIPAL SOFTWARE ARCHITECT   *06/2004 to 08/2011*

Elfin Creative

- Designed, developed and delivered a variety of high-end web sites and online business management tools, e-commerce and vineyard management systems.

WEB SOFTWARE DEVELOPER AND CONSULTANT   *01/2001 to 05/2004*

Sole Proprietor

- Collected, defined and translated user requirements into project designs and implementation plans.
- Conceived and built optimized websites using HTML/CSS/PHP/Java and MySql.

PRINCIPAL SCIENTIST   *06/1988 to 12/2000*

Elsevier MDL/MDL Information Systems, Inc

- Lead conception, design, development of wide variety of product lines responsible for the generation of tens of millions of dollars in revenue.
- Created MDL Chime, the first 2D/3D web browser chemistry plugin.
- Conceived, created and delivered Chemscape, the first web based chemical database system.
- Member of architectural development for ISIS and Isentris product lines
- Lead development team for ISIS/PL chemically aware customization language.

EDUCATION

Bachelor of Science | Computer Science
Southern Oregon University
summa cum laude

Bachelor of Science | Chemistry
Southern Oregon University
summa cum laude