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Summary

I develop innovative software solutions, manage teams, and lead organizations. I have been making businesses more profitable and leading teams for 24 years.

I am a full stack web developer with strong backend and data analytics experience: Python, Django, HTML5, CSS3, Javascript, React, databases (Postgres, MySQL, MS SQL, IBM DB2), Linux, Perl, PHP, UI skills, and more.

I truly love collaborating with leaders of organizations and multiple department heads to attack problems from many angles.

Experience



Owner, Software Developer

Captive Coder

Nov 1999 - Present (22 years +)

I provide the following services to companies and organizations large and small:

- Full lifecycle software development and systems support
- Database architecture, development
- Business process and information management
- Data analytics and reporting
- Leveraging the latest technologies to improve profits and efficiency



Information Technology Director, Co-Executive Director

ISEAI - International Society for Environmentally Acquired Illness

Jan 2018 - Present (3 years 10 months +)

Responsible for all aspects of IT for the quickly growing organization:

- Managed Google Workspace and all other software for our international team of staff and board members
- Created and maintained customized WordPress website (550k views since launch)
- Customized membership platform and members Forum, managed software developers
- Supported annual conference, including registration platform, AV support, and live streaming platforms

Additionally filled Co-Executive Director role:

- Overall strategic and operational responsibility for ISEAI's staff, programs, execution of its mission, and growth
- Managed 4 staff and several contractors, interfaced with 13 board members, 5 committees
- Conceptualized processes which allowed for rapid growth to 500 members
- Ensured consistent quality of finance and administration, fundraising, communications, and systems



Information Technology Consultant

ENVIRONMENTAL ANALYTICS LLC

Jun 2019 - Jan 2021 (1 year 8 months)

Information Technology Consultant - Provided the following services for Environmental Analytics, which serves the emerging, fast paced field of indoor environmental quality:

- Business process and information management: Worked hand-in-hand with the owner to develop new, more efficient business processes and expanded a number of offerings.
- Greatly increased productivity and lowered overhead.
- Appropriate IT software selection and set up, systems support, and ongoing maintenance for all systems. Google suite of tools (email, file storage, calendar, voicemail, forms, documents, sheets), WordPress website hosting transfer and site development/maintenance, Zoom video platform configuration, telephony system, Mailchimp mailing list maintenance/promotion, social media promotion, expanded podcast platforms (Spotify, Stitcher) and maintained YouTube channel.
- Onboarded new Office Manager and Virtual Consultation contractors in all systems and business flows and offered continuing support.



Software Engineering Manager

ClearBalance HealthCare

Mar 2004 - Nov 2012 (8 years 9 months)

Software Engineering Manager - Developed complex intranet and secure public-facing solutions for our high growth healthcare/finance environment. Supported all areas of the company and dramatically increased profits and productivity by leveraging appropriate technologies and automation. As one of the earliest hires, I worked closely with the CEO, CFO, IT Director, Funding Director, Call Center Director, and many other key employees to scale the company successfully:

- Involved in all aspects of overhauling IT systems. Created a robust, secure architecture using open source, Microsoft, IBM, VMWare, and other technologies - provided thorough documentation of all processes
- The customized systems I created withstood high growth and involved highly critical/sensitive transactions. I provided 24/7/365 support.
- Managed 2 software engineers, contractors, and offshore team
- Created custom intranet application responsible for processing millions of dollars of hospital debt per month, from multiple large nationwide hospital networks, using PHP/Perl and IBM DB2 database on Red Hat Enterprise Linux
- Created public-facing internet application, allowing patients enrolled in our programs to securely access their data
- Created daily automated reports for a variety of internal teams, pulling from multiple large-scale databases (DB2, SQL Server) and feeding to customized Excel, PDF, and Crystal Reports
- Developed many complex Perl parsing routines, to filter and store detailed hospital patient account records in our normalized database structure
- Securely interfaced with Equifax and TransUnion credit reporting agencies, custom Perl programming for running realtime credit reports
- Automated many daily and monthly processes in Accounting, Finance using cron/Perl/etc
- Overhauled and supported large Microsoft SQL Server data warehouse, increased uptime/speed significantly
- Worked closely with IBM DB2 database administrator to increase efficiency, dramatically improving business processes



Software Engineer

Fluid

Mar 1999 - Jan 2002 (2 years 11 months)

Software Engineer - Worked on a wide variety of web-based products employing technologies such as Java, Oracle/Postgres/MySQL, HTML/JavaScript/CSS, etc.

Example:

LevelEdge sports statistics aggregation: ATG Dynamo servlet and JSP application server, HTML+CSS +Javascript front end, Oracle database, JDBC, Hibernate. Team of four engineers working in San Francisco and remotely.

Mentored junior frontend coders and acted as the interface between frontend and backend teams.



Lead Web Developer and Designer

Mattel Interactive / Learning Company / Palladium Interactive

1997 - 1999 (3 years)

Lead Web Developer and Designer - Created sites in support of CD-ROM titles. Handled creative and technical details and interfaced with multiple internal teams.

Education



UC Santa Barbara

Bachelor's degree, Mechanical Engineering

1992 - 1996

Regents Scholar, graduated with honors - special focus on environment

Skills

Software Development • Software Engineering • MySQL • Programming • Web Development • Web Applications • Web Services • Architectures • Healthcare Information Technology • Healthcare