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Objective

I am looking for a technical management role for a cutting-edge product in a small to mid-sized company that values teamwork and creativity.

Summary

I have been involved in all aspects of the software development life cycle for over twenty-five years, both executive and technical, including business strategy and development, technical sales, product management, project management, software engineering, team leading, technical writing, software testing and customer support.

Experience

CTO, Futurescaper

www.futurescaper.com

Cambridge, United Kingdom — 2012 - Current

My role is to oversee the design and development of an online real-time crowdsourcing application for scenario and future planning research, utilising the Agile methodology and a technology stack of Meteor.js and MongoDB. Some high profile customers include the Swedish Government, OECD, KPMG and the United Nations. Responsibilities include hiring and managing freelance developers (in remote locations), requirements gathering and analysis, software design and implementation, user interface design, backup management, deployment and source control management, and occasionally supporting customers.

Notes & Accomplishments:

- As a single developer with a very limited budget and resources, took an idea from Dr Noah Raford's MIT PhD thesis and developed it into a highly-acclaimed successful product used by various government agencies around the world and in over a dozen UNDP (United Nations Development Program) countries throughout South-East Europe, Asia, and Africa.
- A testimonial from the United Nations: "One of Futurescaper's coolest features is its ability to identify the cause-effect relationships between identified factors. This allows us to explore the outcomes of their interactions, and analyze the proposed solutions."
- Designed a customisable crowdsource survey system that collects data in a structured cause/effect relationship graph by asking a series of questions. By combining the graphs of multiple users and performing network analysis algorithms, major drivers of change, causes, effects, and uncertainty can all be identified.

CTO, HostelSystem Ltd. (formerly HostelPower)

www.hostelsystem.com

2004 - Current

HostelSystem is one of the leading online reservation and property management services for hostels and small hotels. My role is business strategy, technical strategy, overseeing high-level software design decisions and managing a team of remote developers, primarily based in

Poland, Ukraine, and Russia. The technology stack is C#/WinForms/MVC5/EC5/MSSQL on the back and ExtJS4 on the front.

Notes & Accomplishments:

- HostelSystem is currently in use by over 150 hostels, hostels and guesthouses in every continent except Antarctica.
- I was the sole architect and engineer for HostelPower, the precursor to HostelSystem, which was sold to an Italian online booking company for \$650K USD in 2008.
- HostelSystem received a grant of more than £100K in 2012 from the European Union to assist in the development of a new and ultra-powerful real-time online system.

Team Lead, Infusion Development

www.infusion.com

London, United Kingdom — 2011-2012

I was responsible for the product development and technical documentation for a complex data processing and workflow WPF application for Citigroup's Cross Asset Group, leading a team of remote developers based in Poland. The technology stack was C#/WPF/WCF/MSSQL/EC4/WF4.

Notes & Accomplishments:

- The system amalgamated data from a variety of different sources and feeds from both inside and outside of Citigroup - this data would then be filtered and potentially edited, and edits would then be sent through a workflow process (WF4) to determine when and how the edit gets committed back to the original data source. This workflow process could be observed real-time online.
- Led a team of 3-5 developers based in Poland, was responsible for software architecture and engineering, leading the daily scrum calls, the sprint planning and retrospective meetings, and working closely with the project manager to oversee priorities and estimates.

Founder & President, Stranger Cafe & Hostels

Krakow & Wroclaw, Poland — 2004-2008

Started two award-winning hostels with over 150 beds and a live music bar/cafe in Krakow and Wroclaw, Poland. Was responsible for all aspects of the business, from marketing strategy and SEO to managing property procurement, construction, working with accountants, architects, interior designers and plumbers. Was responsible for interviewing and hiring most of the 20+ staff, which consisted of receptionists, cleaners, and baristas (and an audio technician).

Notes & Accomplishments:

- Listed as one of the top ten "Hippest Hostels" in the world by the Lonely Planet BlueList 2006
- Listed as one of the Guardian's top five hostels in Europe in 2006
- During busy months, more than two thousand guests would stay in a bed at a Stranger Hostel
- The Stranger Cafe had free live music 7 nights a week with a full bar, and the cafe during the day served a full range of coffees & teas, ice creams, and chocolates (including delicious mint espresso milkshakes!)

Software Design Engineer, Microsoft Corporation

Flight Simulator 2004, Redmond Campus — 2002-2003

Designed and implemented new features for the World Builder app, used to generate the Flight Simulator world. Generated ArcGIS tools for auto-generating location lists for bridges, lakes, etc. Designed an intelligent system for automatically creating accurate taxiway signs on all 26k airports.

Founder & CTO, EverDev Inc.

Seattle, USA — 1998 - 2001

EverDev started out as a full-service web development company, specialising in vertical-market portals, and eventually developed an online content management product that was licensed to clients. My roles included: recruiting and hiring development staff, advisory staff and CEO, designing the content management system used to facilitate development of high-content portals, leading technical sales meetings with prospective customers, and oversaw all organisation, planning and implementation of our Comdex tradeshow booth in Las Vegas for 2000 and 2001. EverDev was bootstrapped without any funding and generated over \$1M gross revenue in 2000.

Education

University of Washington

Department of Biology — 1991-1996

I originally chose biology as my field of study because I wanted to become more familiar with natural learning systems such as neural networks, genetic algorithms, genetic programming and artificial life. Computer science at the UW in 1991 was still quite primitive, using ADA and FORTRAN, but I took a number of courses, including Advanced Data Structures and Artificial Intelligence (using LISP).

University of Washington, Early Entrance Program

Transition School — 1988-1989

I was one of sixteen students chosen to attend the "Transition School", an intensive college preparatory program that delivered the full high-school curriculum in a single intensive, fast-paced year along with matriculation into the University as a freshman.

Interests & Skills

- Music theory & composition
- Parent reading volunteer in the local primary school
- Chess
- Programming

References

Available upon request.