

# Sean Kerr

Software Engineer at Emporos Systems

sean@code-box.org

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## Summary

Welcome to my Linked In profile. My name is Sean and by trade I am a Software Engineer. I've worked in several interesting fields from Criminal Records to Point-of-Sales. My work experience ranges from shell scripting all the way up to software architecture and project management. I have had my hands in open-source projects as well as designed a few of my own (Mojavi, Redline, and Gravitare) to name a few.

By nature I'm a person of tricks of the trade learned throughout my career. I possess a very analytical approach to software development and believe in documenting as I write. I'm also very at-home in an agile development environment and feel that it offers its own benefits.

A lot of developers spend their time wanting to learn new technologies. There are a couple concerns with this approach. The first is anybody can learn a new language, which means developers like this are a dime a dozen. The second problem is that Moore's Law has taught us that we need to discover new ways to get the most out of what we already have, and to me it sounds silly to invent new languages that do the same thing all the other languages do with little or no advancement.

Anybody can learn a new language, but it takes a genius to mold an existing one into something never thought possible. This is where I step in.

You may contact me directly using [sean@code-box.org](mailto:sean@code-box.org).

## Specialties

Project Design, Development, Efficient and Scalable Design

- Languages: C, C++, C#, D, Java, Python, PHP, Bash, Delphi/Pascal
  - Concepts: Threading, Asynchronous/Event-based, Security
  - Niche: Embedding languages into C, Custom webserver modules, Optimizing code for horizontal or vertical scaling, Text/Binary Protocol design
  - Databases: PostgreSQL, MySQL
  - Operating Systems: Linux, FreeBSD 4.10-7.x
  - Hardware: Ingenico 6780 Card Swiper, IBM Suremark 4610 Series Receipt Printer
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## Experience

**Senior Systems Architect at Emporos Systems**

June 2009 - Present (1 year 1 month)

As Senior Systems Architect at Emporos Systems, I am in charge of hardware development for our new line of Point-of-Sales software. I'm tasked with the role of also providing guidance and advice to other developers. I have had the chance to work with some relatively interesting hardware such as the Ingenico 6780 card swiper and a few models from the IBM Suremark line of receipt printers.

*6 recommendations available upon request*

### **Software Engineer, System Administrator at Flicky Media**

March 2006 - December 2009 (3 years 10 months)

As a Software Engineer my responsibilities include design and development of a handful media related web applications, which include full DVD downloads, flash streaming, and media website reviews. My technologies of choice are Lighttpd, PHP, Redline, APC Cache, and PostgreSQL.

As a System Administrator I design/spec new servers, install the operating systems remotely and secure them. My operating systems of choice are FreeBSD 5.4 and Ubuntu Server.

### **System Administrator at Search Systems**

July 2001 - October 2006 (5 years 4 months)

My objective at Search Systems was to provide a fast system for retrieving criminal records, sex offender records, bankruptcy records, judgment records and tax lien records for paying clients. I was also in charge of a high-traffic, multi-site network for providing public record data.

My tasks included server specifications, application design and development, website management, and server backups. My technologies of choice were Java, Webmethods Glue, Apache, PHP4 and PHP5, and a nest of custom bash scripts.

### **Web Developer at Unitek**

October 1999 - May 2001 (1 year 8 months)

My role as Web Developer at Unitek involved managing a team of developers residing in India. Our main product was Abriasoftware Merlin Server, which is a package containing an easy-to-install list of server packages such as PostgreSQL, MySQL, PHP, Perl and so forth. When I was not managing the development team I was designing new site features.

### **Web Developer at Directed Technologies, Inc.**

July 1997 - September 1998 (1 year 3 months)

As Web Developer at Directed Technologies, Inc, I was in charge of designing and developing all client web applications. Our platform of choice was IIS on Windows NT and our language of choice was ASP.

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## 6 people have recommended Sean

"Sean Kerr is one of the most talented and diverse engineers in software development I have had the pleasure to work with. He is professional and has an uncanny ability to switch between platforms and technologies."

— **Wess Cope**, *Senior Development Architect, Emporos Systems Corp*, worked directly with Sean at Emporos Systems

"One of the masters of the software development field stated that a truly skilled developer is one who can plan out a complete solution, and keep track of the whole while implementing the details of each part; the people in this group make up a small fraction of the development world. I've known Sean for many years, and worked with him on many occasions. In every case, he has risen to the challenge and has been able to draw from his extensive experience to put together the most efficient solution to the problem. Sean can safely be counted as a part of the group of skilled and experienced developers."

— **Imran Nazar**, *Owner, Oopsilon Development*, was with another company when working with Sean at Emporos Systems

"I've know Sean for about 10 years and during that time (any maybe even longer) he has been consulting and developing and spearheading many different applications for many different systems. Not only that but he has contributed in many ways to the actual languages by developing frameworks, locating and fixing native code issues, and more. I believe that he has amassed a near encyclopedic knowledge of everything software related, not only because he is able to answer any question that I have but with the manner in which he answers it -- effortlessly and nonchalantly and willing to go to the extent that I understand it the proper way. Sean is a kindhearted individual and knows when to speak up. Speak up not only for the well being of himself and his work but for the companies and people he works with. He has a logical way of thinking about many things (as developers do) and also always sees the big picture. He seems to keep that in mind, account for things, and keep things pragmatic. I'd definitely recommend Sean on a personal and professional level."

— **Alexander Kintis**, *CEO, Kinal Corp*, was with another company when working with Sean at Emporos Systems

"Sean is a programmer with vision. He can evaluate a problem and find the best solution available. A hard worker and great communicator. Definitely one of the best developers I have worked with."

— **Brandon Orther**, *Web Developer, Freelance Web Developer*, worked directly with Sean at Emporos Systems

"A seasoned veteran of the tech industry, Sean never fails to keep up with the cutting edge in software because of his solid background. Whether looking at his research on high scalability systems, his work on his PHP web framework Redline or even the numerous enterprise web applications he has deployed, one can expect him to be a cut above the crowd. Aside from his work, he has also shown his competence by often serving as a mentor and a guiding entity for my own work."

— **Mehmet Ali 'mali' Akmanalp**, *Student, Worcester Polytechnic Institute*, was with another company when working with Sean at Emporos Systems

"Sean is an extremely knowledgeable programmer with years of experience at the ready. He's able to get a job done in whatever language seems the appropriate tool for the job, high level, or low level."

— **Matt Wilson**, *Lead Developer, BidSystem, Adknowledge*, was with another company when working with Sean at Emporos Systems

[Contact Sean on LinkedIn](#)