

KEN FREED  
1103 FOREST OAKS PATH  
CEDAR PARK, TX 78613  
Email: [kenfreed@kenfreed1.com](mailto:kenfreed@kenfreed1.com)

Websites: [www.kenfreedsoftware.com](http://www.kenfreedsoftware.com) (professional), [www.kenfreed.net](http://www.kenfreed.net) (personal)

---

## JOB OBJECTIVE: PROGRAMMER / ANALYST / PROJECT MANAGER

Am currently seeking a 2-3 day/week programmer/analyst/project manager position in central Texas with a small to medium sized firm. I like learning new things and you can vary my hours with your workload.

Latest programming skill set: php, mysql, html, css, javascript running under lamp & wamp.

Have (over 25 years of) software project management experience with a good reputation for on time delivery.

Application experience includes manufacturing, ecommerce, finance, marketing support, invoicing and warehousing.

## PROGRAMMING SKILL SET SUMMARY

Programming, Web, Database		Graphics	Other
PHP5, HTML, CSS, JavaScript, JQuery	VBA/Excel Macros, ODBC	Adobe Create Suite CS3: Photoshop, Illustrator, Fireworks, InDesign, Dreamweaver	Windows, Unix, IIS, Apache, VAX
MySql, Sql Server Express	C, C++	Adobe Flash CS4 Action Script 3	TCP/IP Networking
Perl/tk, Tcl/tk	Pascal, Delphi, Java SE	3D Graphics: Modo, Carrara, Poser	Low level rs232 secs/gem, plc equipment interfacing

## PROFESSIONAL EXPERIENCE

### **KEN FREED SOFTWARE - ANALYST/PROGRAMMER** various locations **2010-present.**

Major employers have been:

[American Gold Exchange](#), July 2013 - Present

Over a period of 19.5 months, built (from scratch) the major LAMP/WAMP system which runs the company (ecommerce, shipping/receiving/inventory, financials, marketing). Starting in November 2017 I will be providing support/minor enhancements to this system one day a week.

[Novati Technologies](#), Feb 2011 - Dec 2013

Automatic data gathering for plant performance reporting. LAMP to WAMP code porting and cleanup. Development of other web based systems for manufacturing support.

### **CYPRESS SEMICONDUCTOR** Round Rock, TX **2001-2009**

#### Automation Engineer

Took over an unreliable plant floor data flow environment and identified root cause problems. Drove project identification and prioritization, and got out from under an excessive maintenance burden. Went on to:

- Implement a wide variety of PC based [man-machine-computer interfaces](#) for recipe selection and data uploading/6 sigma purposes, eventually resulting in \$44,000/week of site yield improvements.

- Reverse engineer and enhance [legacy \(Dos/Desqview\) VT2100 tester embedded code](#) (to conditionally shift a machine head and retest defective die), resulting in \$5,000/week recovery of (what would have been) scrap product.
- Design and develop a PC based user friendly 2D graphical user interface for [wafer map updates](#) which reduced operator wafer map update times from five minutes to under a few seconds. Implemented "inkless wafer map" data flow processing software under Unix, saving \$1,000/week, a \$100,000+ vendor cost for similar software, and a reduction of defect die rates from 1400ppm to 100ppm.
- Insure successful projects by filling in gaps at the site between engineering, production, and software training/documentation. Regularly retrieved product related process data for engineering as part of problem diagnosis, and (owing to data collection and retrieval capabilities), served on 6 sigma teams.
- Undertake secondary general IS responsibilities as a de-facto team leader effectively covering for lack of a dedicated site IS manager. Documented the data center and plant network architecture states when system admin personnel changed, was in charge of tape backups and restores, and (after a major server crash) regularly made sure that critical logs and disk hardware were fault free.

#### **ATHENS GROUP** Austin, TX **1998-2001**

##### Analyst/Programmer

Helped get a software startup company off the ground by bringing in Applied Materials Ion Implanter contract work from previous position.

#### **APPLIED MATERIALS - ION IMPLANT DIVISION** Austin, TX **1996-1998**

##### Equipment Support Engineer / Embedded Software Development

Sole provider of 2nd level U.S. software support for Applied Materials Ion Implanters, reporting to a "center of competence" software development group in Horsham, England. Came up to speed on 700K lines of 18 year old embedded (VME) Pascal code and worked closely with English colleagues to debug and enhance our common code base. Ported the Vax cross compiled Motorola 68K cpu target embedded code to a highly cost efficient Borland Delphi Pascal compiler running under Windows: in order to make use of Delphi debugging capability to emulate, rapidly reverse engineer, and enhance the legacy code.

#### **INTERNATIONAL BUSINESS MACHINES** Endicott, NY **1981-1996**

##### Chemical Engineer, Analyst/Programmer

After a year as a process engineer, transferred to MIS to implement a process monitoring project to get the data needed for process problem diagnosis. Implemented software projects throughout manufacturing.

- Largest project involved coordinating five programmers and three vendor subsystems on a 50 million dollar (circuit board prepreg) project going into domestic and Sindelfingen plants. Learned to speak passable German.
- Spent 1994-1996 as an IBM Sematech assignee, working on a general OO design ( *The Sematech CIM Framework*) for MES systems.

## EDUCATION

**MS, Computer Science**, National Technology University, Fort Collins, CO 1994

- Emphasis in project management

**BS, Chemical Engineering**, New Jersey Institute of Technology, Newark, NJ, 1981

- 10 **electrical engineering** credits in analog and digital circuits

**BA, Chemistry**, Rutgers, Newark, NJ, 1980

- 20hrs/weekend during college as a (ASCP-CLA certified) **hospital lab technician**.

## CONTINUING EDUCATION

- Speak fairly fluent [German](#) (I'm still taking advanced classes). I also pursue improvement of my limited Spanish (off and on).