Brian T. Rice

SOFTWARE DEVELOPER IN TESTING

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OBJECTIVE

TobroadenmyexperienceasasoftwaredeveloperintestingatMicrosoft.

AVAILABILITY

Immediately.

SKILLS

Systems/Applications Languages

ANSIC/C99,C++(includingtemplates), C# Java, Objective-C,Perl,Pascal,PHP,("Visual"and otherwise)Basic.

Shell scripting

bash,tcsh,csh,WindowsScriptingHost.

Assembly & Machine Code:

Intel80x86familyandPentiumseries,IBMPowerPCfamily(603eand750),Motorola68k, Sparc.

Formats/Document Languages

(X)HTML,CSS,Javascript,PHP,XML,OWL/RDF,RSS,LaTeX.

Operating Systems:

Windows3.1,95,98,NT,XP.,Linux,FreeBSD,MacOS8.0-9.1,MacOSX.

Internet Applications

Intermediatelevelsofexperiencein:

- Perl/PHPdevelopmentinwebservices,for3years,forlargescaledatabase-backed siteswithsecureapplicationsandlargeloads.
- Independentdevelopmentofinteractive,intelligent,fault-tolerantwebservices,including dynamictemplatecompositionandcookielessstatefultransactionsupport.

Network Security

I'vedevelopedprojectsimplementingadvancedresearchforintrusion-detectiontechnologies, aswellasreportingtoolsandnetworkmanagementinterfaces.

C programming in systems and graphics

Ispentayear(summer1997-spring1998)developingaveryhighperformance3-Dgraphics gameengineforaproto-startupcompany,optimizedforhugepopulationsofdataandintricate physicssimulationdetail.

Compiler Development

Ihavedevelopedovertheyearsvariousframeworksforcode-walkingandoptimization,for object-orientedandlogicallanguages.

CAD/CAM

Iworkedforseveralengineeringfirmsintheearly90's,developingsoftwareinCAD developmentenvironments,andproducedwalk-throughsetups,engineeringaids,andcustom toolingsoftware.

Methodologies

Object-Oriented Programming:

[Refactoring](), [DesignPattern]() usage, [UML]()fordesignanddocumentation, [Unit-test]()-driven development.

Testing

Testinghasbeenanintegralpartofmyworkforover6years,developingtestharnessesformy frameworksusingunittests,regressiontests,testingforload-tolerance,performance(using profilingacrossarangeofconditions),andrequirementscompliance.

EMPLOYMENT HISTORY

Owner

5/2002-Present,LOGOSResearchandDevelopment

Design,development,andtestingof ["CleanSlate"Smalltalk]() :anewprogramminglanguageand softwarearchitectureintendedtodemonstrateandbringuptodatemanytechnologiesfrom varioussystemsintoonecoherentwhole.

Lead Developer

2/2001-Present,ForeHorseNet,Inc.

Workedwiththecompanyfounderstodevelopacoherenttechnicalstrategyfortheproduct,by evaluatingcustomerrequirements,marketingissues,andsuitabletechnologiesandbudgeting requirements.

DevelopedPHPandJSPwebapplications,automatedhandlingofXMLmeta-data,Java applets,designedtheschemaanddevelopeditforarobustsetofservicesoverPostGreSQL andMySQL.

Software Design and Research Consultant

12/2002-1/2003,IbisInformationSecurities

Consultedinthedevelopmentofinnovativewirelesstechnologiesandthesoftwarerequiredto managethem.Alsoconsultedinthefieldofonlinedata-mininginthesystemssecurityfield.I

designedanddevelopedaninnovativeproductusingdynamiclanguagetechnologies.

Database Applications Programmer, Technician

3/1996-3/2002,U.S.Navy

Electricalandelectronicstroubleshootingandrepair,supervisionandtraining,database applicationsprogrammerandadministratorforthecoordinationofhundredsofworkactivities andinformationmanagement.Managedaworkinggroupforequipmentmaintenanceforover2 years.ManagedasystemforequipmentQualityAssurance,vibrationmonitoring,andsoftware managementfor2years.

Developedfromscratchadatabaseclient-serversetupwithapplicationsforthecoordination andschedulingofactivitiesandtheirdependenciesforthenuclearandengineeringsectionsof anuclearaircraftcarrieraswellasitsassociatedshipyardactivity.Thisinvolvedsoftware requirementsoutlining,meetingswithseveralentitiesalongwithstudyoftheexistingsystemsin effect,design,deployment,andusertestingandfeedback,anddatabaseandsystems management.

EDUCATION

Self-education.Aselectionofitis   publishedonline .

6/1996-1/1998,NavalNuclearPowerSchool,US-FL-Orlando

CompletedtheU.S.Navy'sNuclearOperatorandTechniciantrainingprogram,involving physics,mathematics,andengineeringexaminationsaswellasapplyingthetheorytooperatea livepowerstation.

5/1995-3/1996,TexasA&MUniversity,US-TX-CollegeStation

Completedtwoyearsofcourseworkinengineeringandmathematics,alongwithmuch independentstudyincomputerscienceandmathematics,logicandphilosophy.Leftdueto financialissuesatthetime.

Jobs:engineeringcomputinglabassistant,maths/CStutor,freelancesoftwareandsystems troubleshooterforengineeringfirmsandaccountingoffices.

REFERENCES

Name	Company	Title	Contact
Glenn Messner	ForeHorseNet,Inc.	CEO	360-340-3348, gmessner@forehorse.net
Matthew Harmon	Ibis	Owner	206-369-4065, mjh@itys.net
ElricScott	Dierking-Scott Enterprises	Network/Systems SecurityConsultant	206-285-1613, elric@elric.com
AaronHoffer	WashingtonMutual	SmalltalkSoftware Engineer	206-226-4238, aaron@hoffer.org