

PREM KRISHNA CHETTRI

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SUMMARY

Over 7 years of extensive R&D product development and debugging skills looking for challenging software development roles

EDUCATION

Master of Science, Computer Science Northeastern University / Binghamton University (State University of New York)	Completed Dec 2016
Bachelor of Technology, Computer Science West Bengal University of Technology	Completed May 2008

TECHNICAL SKILLS

Programming Languages:	C / C++, C#.Net, Java, Python, JavaScript
Operating Systems:	Windows, Linux, Unix, Android, OSX
Databases:	SQLite, MySQL, Cassandra (NoSql)
Development IDE:	QtCreator, Visual Studio, Eclipse, Pycharm, Android Studio, XCode
Other Tools:	VMware, Git / SVN, Jira / Bugzilla, Office, Putty, Maven, Innosetup, Tomcat, Nginx, RapidMiner
Frameworks:	Qt / Qml, MFC, STL / Boost, AngularJS, Apache thrift, Android, OpenGL

PROFESSIONAL EXPERIENCES

Eigen , Software Engineer, California, United States	February 2017 – Present
<ul style="list-style-type: none">Created therapeutic software platform for medical imaging from scratch for treatment of cancer using C++ / MFCDeveloped custom HL7 service for Eigen products connecting all Eigen devices producing competitive advantageKey contributor of Profuse and Artemis, flagship product from Eigen for cancer detection using fusion technology	
Canvera Digital Private Limited , Senior Software Engineer, India	June 2013 - December 2014
<ul style="list-style-type: none">Created flagship desktop application from scratch, using C++ / Qt libraries and JavaScript, for Windows, Linux and OSXContributed to Canvera order processing system development in Java using Hibernate / Spring, supporting over 1,200 branchesIntroduced background auto update feature for all client software, removing significant IT work load during software upgrades	
Accenture Services Private Limited , Programmer Analyst, India	July 2012 - June 2013
<ul style="list-style-type: none">Developed windows app logger platform from scratch using C# .Net (WCF) for redistributing logs from windows phone appsDesigned custom CRM application using Java (JAX-RS) and C# .Net (WCF) that uses RESTful and SOAP WSDL web serviceInvolved in technical screening of developers for SaaS product development team's hiring activities	
Nokia India Private Limited , R&D Software Engineer, India	August 2010 - July 2012
<ul style="list-style-type: none">Contributed to web-runtime platform API development in C++ / Qt and Javascript that helped developers create Nokia appsImplemented localization algorithm for photo albums in Nokia smartphones gallery application using C++ / QtIntegrated continuous integration system for Nokia web-runtime project using python, C++ and JavaScript in Linux platform	
Sasken Communication , Software Developer, India	July 2008 - August 2010
<ul style="list-style-type: none">Developed GPRS features in Nortel GSM protocol stack using C / GTK and TCL / TK in Unix (Solaris) platformCollaborated to the Linux XOcean platform development for creating Linux OS as a mobile platform using C++ / GTKImplemented build and release system for Nortel network project using Python (Scons) with Unix (Solaris) platform setup	

ADDITIONAL PROJECTS

Open Source Contributor	August 2010 – February 2013
<ul style="list-style-type: none">Webkit : Feature addition, bug fixing and optimization in the JSCore code of Webkit SDK using C++OpenMPI : Performance enhancement of runtime layer in message passing interface library using C++	
Distributed Systems , Binghamton, New York	May 2016 – Aug 2016
<ul style="list-style-type: none">Developed "IoT" proof of concept android app for distributed, decentralized P2P file sharing network, providing scalable, fault tolerant and self-organizing infrastructure	
Data Mining , Binghamton, New York	September 2015 – February 2016
<ul style="list-style-type: none">Analyzed large set of medical data tracking 548 cancer causing genes and determining heredity factor in cancer disease	
Others , Binghamton, New York	March 2016 – May 2016
<ul style="list-style-type: none">Designed local search engine by implementing ranking algorithm and page crawler using JavaWorked on Java "dynamic proxy" and "reflection" to serialize and restore files between client and server	

AWARD AND RECOGNITION

- Academic: Dean scholarship award, Dux holder undergraduate, Merit holder higher secondary
- Professional: Nokia performance award (multiple times), Sasken gem award