

# PREM KRISHNA CHETTRI

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## SUMMARY

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

## EDUCATION

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

## TECHNICAL SKILLS

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

## PROFESSIONAL EXPERIENCES

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<b>Eigen</b> , Software Engineer, California, United States	<b>February 2017 – Present</b>
<ul style="list-style-type: none"><li>Created therapeutic software platform for medical imaging for treatment of cancer using C++ / MFC</li><li>Developed custom HL7 service for Eigen products connecting all Eigen devices producing competitive advantage</li><li>Key contributor of Profuse and Artemis, flagship product from Eigen for cancer detection using fusion technology</li></ul>	
<b>Canvera Digital Private Limited</b> , Senior Software Engineer, India	<b>June 2013 - December 2014</b>
<ul style="list-style-type: none"><li>Developed flagship Photo album designing software, using C++ / Qt / JavaScript, for Windows, Linux and OSX</li><li>Contributed to order processing system, integral part of business using Java Hibernate / Spring, supporting over 1,000 branches</li><li>Introduced background auto update platform for all client software, removing significant IT work load during software upgrades</li></ul>	
<b>Accenture Services Private Limited</b> , Programmer Analyst, India	<b>July 2012 - June 2013</b>
<ul style="list-style-type: none"><li>Developed App-Logger platform from scratch using C# .Net (WCF) for categorization &amp; redistribution of logs from applications</li><li>Designed custom CRM application using Java (JAX-RS) and C# .Net (WCF) that uses RESTful and SOAP WSDL web services</li><li>Involved in technical screening of developers for SaaS product development team's hiring activities</li></ul>	
<b>Nokia India Private Limited</b> , R&D Software Engineer, India	<b>August 2010 - July 2012</b>
<ul style="list-style-type: none"><li>Contributed to web-runtime platform API development in C++/ Qt and Javascript that helped developers create Nokia apps</li><li>Implemented localization algorithm for photo albums in Nokia smartphones gallery application using C++ / Qt</li><li>Integrated continuous integration system for Nokia web-runtime project using python, C++ and JavaScript in Linux platform</li></ul>	
<b>Sasken Communication</b> , Software Developer, India	<b>July 2008 - August 2010</b>
<ul style="list-style-type: none"><li>Developed GPRS features in Nortel GSM protocol stack using C / GTK and TCL/ TK in Unix (Solaris) platform</li><li>Collaborated to the Linux XOcean platform development for creating Linux OS as a mobile platform using C++ / GTK</li><li>Implemented build and release system for Nortel network project using Python (Scons) with Unix (Solaris) platform setup</li></ul>	

## ADDITIONAL PROJECTS

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<b>Open Source Contributor</b>	<b>August 2010 – February 2013</b>
<ul style="list-style-type: none"><li>Webkit : Feature addition, bug fixing and optimization in the JSCore code of Webkit SDK using C++</li><li>OpenMPI : Performance enhancement of runtime layer in message passing interface library using C++</li></ul>	
<b>Data Mining</b> , Binghamton, New York	<b>September 2015 – February 2016</b>
<ul style="list-style-type: none"><li>Analyzed large set of medical data tracking 548 cancer causing genes and determining heredity factor in cancer disease</li></ul>	
<b>Distributed Systems</b> , Binghamton, New York	<b>May 2016 – December 2016</b>
<ul style="list-style-type: none"><li>Developed "IoT" proof of concept android app for distributed, decentralized P2P file sharing network, providing scalable, fault tolerant and self-organizing infrastructure</li></ul>	
<b>Others</b> , Binghamton, New York	<b>March 2016 – May 2016</b>
<ul style="list-style-type: none"><li>Designed local search engine by implementing ranking algorithm and page crawler using Java</li><li>Designed and developed individually an exclusive social networking website for friends and family under madworlds.com</li></ul>	

## AWARD AND RECOGNITION

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