

# PREM KRISHNA CHETTRI

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## SUMMARY

Software developer with multiple years of experience in development of middleware, cloud backend API and desktop applications  
Deep understanding and interest in the development of machine learning and distributed systems

## EDUCATION

<b>Master of Science, Computer Science</b> Northeastern University / Binghamton University (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

<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

<b>Eigen, Software Engineer, California, United States</b> <ul style="list-style-type: none"><li>Created software platform for integration of planning and treatment procedure of cancer therapy using Qt / C++ / MFC</li><li>Developed backend infrastructure by interconnecting Eigen devices for data sharing resulting into competitive advantage</li><li>Implemented algorithms in the flagship application for detection of cancerous region using fusion technology</li></ul>	<b>February 2017 – Present</b>
<b>Canvera Digital Private Limited, Senior Software Engineer, India</b> <ul style="list-style-type: none"><li>Developed application software for designing photobook album, using Qt / C++ / JavaScript, supporting windows, linux and OSX</li><li>Contributed to backend infrastructure development for order processing, using Java Hibernate / Spring, catering over 1,000 branches</li><li>Introduced centralized auto update platform for all software, removing significant IT work load during software upgrades</li></ul>	<b>June 2013 - December 2014</b>
<b>Accenture Services Private Limited (Nokia employment transfer), Programmer Analyst, India</b> <ul style="list-style-type: none"><li>Developed app-logger platform as a service for data analysis and redistribution of application logs using C# .Net (WCF)</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>July 2012 - June 2013</b>
<b>Nokia India Private Limited, R&amp;D Software Engineer, India</b> <ul style="list-style-type: none"><li>Contributed to web-runtime platform API development in Qt / C++ and Javascript that helped developers create Nokia apps</li><li>Implemented localization algorithm for photo albums in Nokia smartphones gallery application using Qt / C++</li><li>Integrated continuous integration system for Nokia web-runtime project using python, C++ and JavaScript in Linux platform</li></ul>	<b>August 2010 - July 2012</b>
<b>Sasken Communication, Software Developer, India</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>	<b>July 2008 - August 2010</b>

## ADDITIONAL PROJECTS

<b>Open Source Contributor</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>August 2010 – February 2013</b>
<b>Distributed Systems, Binghamton, New York</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>May 2016 – Aug 2016</b>
<b>Data Mining, Binghamton, New York</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>September 2015 – February 2016</b>
<b>Others, Binghamton, New York</b> <ul style="list-style-type: none"><li>Designed local search engine by implementing ranking algorithm and page crawler using Java</li><li>Created exclusive networking website for members working inside close door critical projects (madworlds.com)</li></ul>	<b>March 2016 – May 2016</b>

## AWARD AND RECOGNITION

- Academic: Dean scholarship award, Valedictorian undergraduate, Meritholder high school
- Professional: Nokia performance award (multiple times), Sasken gem award