

PREM KRISHNA CHETTRI

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SUMMARY

Software developer with 7 year of experience in development of mobility, cloud and full stack applications
Deep understanding and interested in the application of data mining, machine learning and distributed systems

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 software integration platform for treatment and planning procedure of cancer using C++ / MFCDeveloped Eigen infrastructure by interconnecting all devices using custom service producing competitive advantageContributor of flagship application for cancer detection using fusion technology implementing multiple algorithms	
Canvera Digital Private Limited , Senior Software Engineer, India	June 2013 - December 2014
<ul style="list-style-type: none">Developed application software for designing photobook album, using C++ / Qt / JavaScript, supporting windows, linux and OSXContributed to infrastructure development for order processing, using Java Hibernate / Spring, catering over 1,000 branchesIntroduced background auto update platform for all client software, removing significant IT work load during software upgrades	
Accenture Services Private Limited (Nokia employment transfer), Programmer Analyst, India	July 2012 - June 2013
<ul style="list-style-type: none">Developed app-logger platform from scratch using C# .Net (WCF) for categorization and redistribution of applications logsDesigned custom CRM application using Java (JAX-RS) and C# .Net (WCF) that uses RESTful and SOAP WSDL web servicesInvolved 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 JavaCreated exclusive networking website for members working inside close door critical projects (madworlds.com)	

AWARD AND RECOGNITION

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