

PREM KRISHNA CHETTRI

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SUMMARY

Software developer with multiple years of experience in development of middleware, cloud and full stack applications
Deep understanding and interest 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**
- Created software platform for integration of planning and treatment procedure of cancer therapy using Qt / C++ / MFC
 - Developed infrastructure by interconnecting Eigen devices for data sharing resulting into significant competitive advantage
 - Implemented multiple algorithms in the flagship application for cancer detection using fusion technology
- Canvera Digital Private Limited, Senior Software Engineer, India** **June 2013 - December 2014**
- Developed application software for designing photobook album, using Qt / C++ / JavaScript, supporting windows, linux and OSX
 - Contributed to infrastructure development for order processing, using Java Hibernate / Spring, catering over 1,000 branches
 - Introduced centralized auto update platform for all software, removing significant IT work load during software upgrades
- Accenture Services Private Limited (Nokia employment transfer), Programmer Analyst, India** **July 2012 - June 2013**
- Developed app-logger platform for data analysis and redistribution of application logs using C# .Net (WCF)
 - Designed custom CRM application using Java (JAX-RS) and C# .Net (WCF) that uses RESTful and SOAP WSDL web services
 - Involved 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**
- Contributed to web-runtime platform API development in Qt / C++ and Javascript that helped developers create Nokia apps
 - Implemented localization algorithm for photo albums in Nokia smartphones gallery application using Qt / C++
 - Integrated 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**
- Developed GPRS features in Nortel GSM protocol stack using C / GTK and TCL/ TK in Unix (Solaris) platform
 - Collaborated to the Linux XOcean platform development for creating Linux OS as a mobile platform using C++ / GTK
 - Implemented 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**
- 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**
- 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**
- 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**
- Designed local search engine by implementing ranking algorithm and page crawler using Java
 - Created 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