PREM KRISHNA CHETTRI

(530-615-9020) | pchettr1@binghamton.edu | linkedin.com/in/hprem991 | https://github.com/hprem991 | Grass Valley, California

EDUCATION

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

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 treatment and planning procedure of cancer using C++ / MFC
- Developed Eigen infrastructure by interconnecting all devices using custom service producing competitive advantage
- Key contributor of flagship application for cancer detection using fusion technology implementing multiple algorithms

Canvera Digital Private Limited, Senior Software Engineer, India   **June 2013 - December 2014**
- Developed application software for designing photobook album, using C++ / Qt / JavaScript, supporting windows, linux and OSX
- Contributed to infrastructure development for order processing, using Java Hibernate / Spring, catering over 1,000 branches
- Introduced 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**
- Developed app-logger platform from scratch using C# .Net (WCF) for categorization and redistribution of applications logs
- 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 C++/ Qt and Javascript that helped developers create Nokia apps
- Implemented localization algorithm for photo albums in Nokia smartphones gallery application using C++ / Qt
- 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)
- Worked on Java "dynamic proxy" and "reflection" to serialize and restore files between client and server using design patterns

AWARD AND RECOGNITION

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