**PREM KRISHNA CHETTRI**

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



# 

# SUMMARY



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

# 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 therapeutic software platform for medical imaging from scratch for treatment of cancer using C++ / MFC
* Developed custom HL7 service for Eigen products connecting all Eigen devices producing competitive advantage
* Key contributor of Profuse and Artemis, flagship product from Eigen for cancer detection using fusion technology

**Canvera Digital Private Limited**, Senior Software Engineer, India **June 2013 - December 2014**

* Developed flagship Photo album designing software from scratch, using C++ / Qt / JavaScript, for Windows, Linux and OSX
* Contributed to order processing system, integral part of business using Java Hibernate / Spring, supporting 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**, Programmer Analyst, India **July 2012 - June 2013**

* Developed App-Logger platform from scratch using C# .Net (WCF) for categorization & redistribution of logs from applications
* 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](https://en.wikipedia.org/wiki/Peer-to-peer) file sharing network, providing [scalable,](https://en.wikipedia.org/wiki/Scalable) [fault](https://en.wikipedia.org/wiki/Fault_tolerant) [tolerant](https://en.wikipedia.org/wiki/Fault_tolerant) and [self-organizing](https://en.wikipedia.org/wiki/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 mission critical projects (madworlds.com)
* Worked on Java “dynamic proxy” and “reflection” to serialize and restore files between client and server

# AWARD AND RECOGNITION



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