NITHIN PAUL CHERIAN

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EXPERIENCE

Software Engineer – Airwatch by VMware – Aug/2014 – Present
- Working with R&D team. Responsible for Development of AirWatch Chat App for Secure Enterprise Messaging in Android Platform.

Research Engineer (Android) – Psi Phi Labs Technologies Pvt. Ltd. – May/2014 - July/2014
- Worked on the Android version of Augmented Reality Mobile application Timeport, a communication tool to send messages into future time and location. Developed the following features of Timeport: - Public Portals, Broadcast Messages, Notification Module, Explainer Demo and Locate Portal.
- Android Features worked on: - Sensors, Camera, Maps, GPS & Location, Push Notification, In- App Purchase
- Ported Timeport to Nokia X Platform by rewriting the Push Notification & In-App Payment Modules and changing to Nokia Here Maps.
- Also did research in Augmented Reality domain and computer vision using OpenCV for Android.

Co-Founder - Mocioun TechLabs Pvt. Ltd. – Feb/2013- January/2014
- Led the team in building of MarketWatch App (OpenDataApps Challenge Winner) utilizing the datasets provided by Government's Data Platform and Google Maps API to provide live price details of thousands of products from around 3000 commodity markets all over India.
- Developed the Android Version of Vidioun, a mobile based content delivery tool for YouTube Channels using the YouTube API V2 and YouTube API V3 Player for Android.
  - Live Apps Built using Vidioun - http://bit.ly/1ke2rwx | http://bit.ly/1nl3qtY
- Also contributed to the MVP development of MetroStreet, a location based social mCommerce platform for local sellers.

Freelance Web Consultant - June/2011- Feb/2013
- Worked as Web consultant for many US based companies like First Class Care Inc. Chicago, Dedicated Domestics CA, Blake Insurance Group LLC Tucson etc.
- Worked solely on many development projects which involved building highly scalable platforms that catered online services to a wide audience across US using Drupal, WordPress and other Custom Coded Solutions. This included designing the Technical architecture of such online platforms, building and customization of themes, plugins and modules in WordPress and Drupal.
- Also worked with few of these companies in developing their Web Marketing strategy and enhancing Brand presence in Social Media.

EDUCATION

PG Diploma in Embedded Systems Design (August/2012 – February/2013) Percentage: 73.44%
Advanced Computing Training School (ACTS), C-DAC Pune
B.Tech, Electrical and Electronics Engineering (2007 – 2011) – CGPA: 6.66
T.K.M College of Engineering, Kollam, Kerala
AISSCE [12th Std.], CBSE (2007) - Percentage: 91.0% - Viswajyothi CMI Public School, Angamaly, Kerala.
AISSE [Xth Std.], CBSE (2005) - Percentage – 92.8% - Viswajyothi CMI Public School, Angamaly, Kerala.

PUBLICATIONS

An Implementation of Dynamic Reconfigurable Touch Screen Keyboard
http://www.ijcaonline.org/archives/volume77/number7/13406-1058

SKILLS & TECHNICAL EXPERIENCE

Programming	:	Java, C, C++, PHP, Assembly language, Linux Programming
Mobile Development	:	Android, Windows Phone, Nokia X
Software Tools	:	Eclipse, Kiel, AVR Studio, Code Warrior, Visual Studio
Embedded Platforms	:	AVR, ARM7, ARM920T
OS	:	Windows, Linux
Database	:	MYSQL, SQLITE
Web Technologies	:	HTML, CSS
Graphics Design Tools	:	Photoshop (Basic)
CMS	:	Drupal, WordPress, Joomla

HONORS AND AWARDS

#OpenDataApps Challenge Award conducted by NIC in association with NASSCOM - February 2014

First Prize Winner of Open Data Apps Challenge conducted by Govt. of India & NASSCOM for developing the mobile application MarketWatch which provides live price updates from Indian Commodity markets. http://data.gov.in/event/opendataapps-challenge

Robosoccer Runner-Up - February 2009

Won the second prize for RoboSoccer Robotics competition conducted at Mar Athanasius College of Engineering, Kothamangalam during Sanskriti' 09, the Annual National Level Techno-cultural Festival.

Junkyard Wars Runner-up - February 2010

Won the second prize for Junkyard Wars competition conducted at Mar Athanasius College of Engineering, Kothamangalam during Sanskriti' 10, the Annual National Level Techno-cultural Festival.

WORKSHOPS & CERTIFICATIONS

Jagriti Yatra 2013 Yatri (January 2014) **:** Successfully Participated in Jagriti Yatra which is a 15 day, 8000 km national odyssey to meet the role models - social and business entrepreneurs - of the country. It is a train journey of discovery and transformation conducted by Jagriti Sewa Sansthan.

Entrepreneur Development Program (July 2013) **:** A 13-day training program conducted by Kerala Financial Corporation (KFC) & Kerala State Entrepreneur Development Mission (KSEDM) to promote entrepreneurship in Youth.

Robokriti, a Workshop on Fundamentals of Robotics by Technophilia Solutions (October 2008)

ACADEMIC PROJECTS

Design and Simulation of an axial flux Induction Machine for Inwheel drive in Electric Two-Wheelers

3D Design and Simulation of an unconventional axial flux induction machine which can be used in modern electric two wheeler for in-wheel drive using Finite Element Method (Ansoft Maxwell)
July 2010 – March 2011 (B.Tech Main Project)

Dynamic Reconfigurable Touch Screen Keyboard (DRTSK)

A 16/32 bit ARM920T RISC microprocessor based FriendlyARM development kit was programmed in C to support Graphical Display and Touch response. Image for display was extracted using MATLAB.
December 2012 (PG Diploma Project)