



Mr. Vicheka PHOR

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Hardware and Software Engineering

TECHNICAL SUMMARY

Operating Systems	: Unix, Linux, Windows 7
Languages	: React Native, Java, Java Swing, Android, Verilog, VHDL, C, MATLAB, C++
Software	: Android Studio, Eclipse, NetBeans, Notepad++, Git, SVN, Brackets, CodeBlock, Microsoft Visual Studio, Adobe Photoshop
Hardware	: FPGA, RISC microprocessor, LatticeECP3 Video Protocol boards
Web development	: Prestashop, Laravel, Servlet and JSP, HTML5, CSS, JavaScript, JQuery, MySQL, PHP, Adobe Dreamweaver, Drupal
Office	: Word, Excel, PowerPoint, Open office

EDUCATION

2012 – 2014	: Université Paul Sabatier – Toulouse, France <i>Master's degree in Embedded Systems - Hardware and Software Engineering</i>
2010 – 2011	: ENSEEIH – Toulouse, France <i>Master's degree in Telecommunication and IT</i>
2005 – 2010	: Institute of Technology of Cambodia – Phnom Penh, Cambodia <i>Bachelor's degree in Electrical and Energy Engineering</i>

HONORS

SUMITOMO Scholarship, 2009

Agence Universitaire de la Francophonie (AUF) Scholarship, 2010

ACADEMIC PROJECTS

RISC microprocessor design, December 2012 – February 2013

Renewable Energies Investment Calculation (Group of 3 members), October – December 2009

Electric Power Supply in Industry, April – June 2009

EXPERIENCE

Software Developer

ALLWEB, Cambodia

December 2016 – Present

- Team Leader of 2 or 3 members at AllWeb
- Working on Microsoft Excel VBA: IFRS project
- Working on E-commerce Prestashop project. Features: module marketplace, mangopayment, eventmanager, ...
- Working on React Native project. Features: Push Notification, QR code, RealmJs, ...
- Using SCRUM methodology to manage the project: Bitbucket, JIRA and Confluence
- Working Environments: PhpStorm, SourceTree, Visual Studio Code, Atom, Sublime, Wamp, ...

Smart Energy Hackathon Cambodia

EnergyLab Asia, Cambodia

3 days (20th, 27th and 28th October 2018)

- One of the 5 Challenge Winners
- Working on a challenge of "Trust in Solar" from SNV: Problem and Solution, Business, Marketing, and Pitching
- Trust Energy Team of 4 members
- Challenge on SNV Trust in Solar: this challenge is to find a way for potential customers of solar systems in rural areas to find solar companies and rate their products & services in order to address the issue of trust, repairs and accountability.

Speaker (1 hour) - Modern JS ES6 and ES7

BARCAMP ASEAN 2018, Cambodia

21st October 2018

- Sharing knowledge on Modern JavaScript ES6 and ES7

Speaker (1 day) - "Version Control with GIT" Workshop

INSTINCT INSTITUTE, Cambodia

22nd September 2018

- Sharing Knowledge on: how to set up Git, Sourcetree and Bitbucket, basic usage of git, Git workflow, branching and merging, how to solve conflict, how to stash and much more

Speaker (4 hours) - "Introduction to React Native" Workshop

University of Puthisastra, Cambodia

29th September 2018 - from 1pm to 5pm

- Sharing knowledge via a weather application that covers some essentials of React Native including: using core and custom components, passing data between components, handling component state, handling user input, applying styles to components, fetching data from a remote API

Volunteer (6 months) - Technovation Technical Mentor

Development Innovations, Cambodia

December 2017 – May 2018

- Helping students to learn coding with App Inventor 2

Volunteer (4 months) - STEM Robotic Mentor

STEM Cambodia, Cambodia

January 2017 – April 2018

- Helping students to learn about STEM and assemble a remotely operated underwater vehicle (ROV) - Puffer Fish

IT Lecturer (Part time)

INSTINCT INSTITUTE, Cambodia

October 2017 – December 2017

- Handle Java Fundamentals subject

IT Lecturer

Kirirom Institute of Technology – Kompong Speu, Cambodia

November 2015 – October 2016

- Internship supervisor: drone programming project, projection mapping project, AI, EDM
- Teaching: Android, servlet&jsp, website development (HTML, CSS, JS), DBMS, MySQL

Software Engineer

PATHMAZING Inc Company – Phnom Penh, Cambodia

July 2015 – October 2015

- Android mobile software development: designing and customization UI, using third libraries (Blur Behind, HideOnScroll, SlidingLayer, Sliding Menu...), implementing functionalities, integrating social network (Twitter, Google, Facebook) and multiple languages (Khmer and English), designing, coding, debugging and testing
- Basic Knowledge of NodeJs: express framework, user management system, third libraries of NodeJs (Sequelize, MySQL, MongoDB, ...)

Hardware Engineer Intern

Enciris Technologies Company – Gaillac, France

April 2014 – September 2014

- Design, develop, test, integrate, and verify FPGA designs for video processing hardware
- Working on the SDI video interface by demonstrating the implementation of a Lattice tri-rate SDI PHY IP core on a Lattice FPGA of the Enciris LT-125 board in order to provide an SMPTE 3G/HD/SD SDI video input functionality on the board without using any external chipset like the Gennum chipset which is used today on Enciris boards
- Working on the H.264/AVC video decoding algorithm, particularly the H.264/AVC bitstream decoder hardware architecture design and implementation

Satellite Communication Engineer Intern

Telecommunications for Space and Aeronautics (TéSA) Laboratory – Toulouse, France

March 2011 – August 2011

- Determination of the orbital mechanics for different type of orbit
- Optimization satellite constellation
- Calculation the link budget
- Analysis of the impact of orbit types, frequency band and modulation types on link budget

LANGUAGES

French : Good

English : Good

HOBBIES

Football, tennis, badminton, music