

## RESUME

Full Name : Prahesa Kusuma Setia  
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*"An agile technology enthusiast and an agnostic coder focusing on a computer network, cybersecurity, and privacy-enhancing technologies. Passionate about learning and knowledge sharing."*

### Educational Background

- ✓ Master of Science in Computer Science from Faculty of Electrical Engineering, Mathematics, and Computer Science Delft University of Technology, NL. Graduated with 7.54 of 10 Cumulative GPA. **Master Thesis title:** "Privacy-Preserving Data Aggregation In a Peer-to-Peer Network." (2015-2017)
- ✓ Bachelor of Science in Computer Science from Faculty of Computer Science Universitas Indonesia, ID. Graduated *Cum Laude*, 3.73 of 4.00 Cumulative GPA. **Undergrad Thesis title:** "Gentry's Fully Homomorphic Encryption Scheme over Integer and Its Implementation Using the Python Programming Language." (2009-2013)

### Work Experiences

- ✓ **Software Engineer, Errai Pasifik (2013-2015)**  
Errai Pasifik is a Software Development company focusing on the client who has developed innovative technologies of conference calls. All conference participants know what's going on at all times, and the call leader has the ability to manage calls through a Web app, Outlook client and mobile clients including iPhone, Android, and BlackBerry.  
**Skills:** Java, C#, Android, Blackberry, Javascript, Git, MS SQL, MS Azure, Atlassian Suites (Bamboo, Jira, Stash, Bitbucket, Confluence), Windows Powershell, Agile Methodologies, Scrum, Kanban, Gitflow.
- ✓ **Teaching Assistant, Faculty of Computer Science Universitas Indonesia (2010-2014)**  
As a Teaching Assistant, I have a responsibility to help lecturer in handling class of 20-30 students. I also have a responsibility to held weekly tutorials and giving a score in some of the tests. Subjects include Programming Foundation, Database, Computer Network, Operating System, Cryptography and Information Security.  
**Skills:** Postgre SQL, Wireshark, Java Cryptographic Extension, Python.
- ✓ **Internship at Currency Circulation Department, Bank Indonesia (2012)**  
Bank Indonesia is a Central Bank of Republic of Indonesia, one of its goal is to maintain and stabilize the value of Rupiah. Currency Circulation Department has a role in achieving that goal by managing Rupiah circulation in Indonesia. As an intern in this department, I developed software to help this department track the number of Rupiah currently in distribution.  
**Skills:** Java

## **Award**

- ✓ **Awardee of BPI LPDP Scholarship PK-31**

One of the best scholarship that offered by Indonesian Government in order to accelerate the field of education in Indonesia. Their mission is to have more qualified academic scholars, Masters, and PhDs by the time Indonesian reach 100th anniversary. Fully funded Master's degree study.

## **Extra Curricular and Volunteer Activities**

- ✓ **Inspirator, Kelas Inspirasi Depok (October 2014)**

Kelas Inspirasi (Inspiration Class) is a volunteer activity from Yayasan Indonesia Mengajar (Indonesia Teaches Foundation) where professionals teach in an elementary school for a day, sharing about their profession and motivating the children there to achieve their dream.

- ✓ **Head of Information System, RISTEK Faculty of Computer Science Universitas Indonesia (2012-January 2013)**

RISTEK (Riset Teknologi, Technological Research) is an organization gathering students who are interested in technology research. Information System is one of Special Interest Group in RISTEK focusing on creating clients solution using Web-based approach.

- ✓ **Person in Charge of E-Ticketing Division, Bedah Kampus Universitas Indonesia (2011-2012)**

Bedah Kampus (Open Day) Universitas Indonesia is an annual event held to accommodate and to give information to high school student about Universitas Indonesia. As a PIC in E-Ticketing division, I was in charge of handling 20 staffs and maintain the stability and the security of E-Ticketing system to ensure ticket distribution and selling it to the appropriate party.

## **Experiences and Remarks**

- ✓ **3rd Place Winner - Forensic Investigation Competition, Indonesian Cyber Army (2012)**

Forensic Investigation Competition is one of the competitions in Indonesian Cyber Army, an event focusing on finding best candidate from all of Indonesia in computer security subject. This competition is about finding anomalies from network traffic and analyze it to find out what causing the trouble for the attacked system.

- ✓ **Best 20 Team of Indonesia National Contest, Association for Computing Machinery (ACM) (2012)**

ACM-INC (Indonesia National Contest) was a programming contest took place at Binus University. This contest was about solving problems using an appropriate algorithm and coding technique. Of about more than 100 teams participated, my team and I were in best 20 and were eligible to become a participant in ACM-ICPC.

- ✓ **Participant of ACM-ICPC Asia Regional Contest, Association for Computing Machinery (ACM) (2012)**

ACM-ICPC (International Collegiate Programming Contest) Asia Regional was a programming contest. Same as ACM-INC this contest was about solving problems. This contest was an Asia Regional Contest so that there were teams from all over Asia.