



# R E S U M E

## *Arrianto Mukti Wibowo*

**Birthplace / Born** Jakarta, 24 September 1972

**Sex** Male

### **Formal Education**

1993 – 1997 Faculty of Computer Science, University of Indonesia  
GPA: 3.29/4.00, Bachelor thesis title:  
*"Comparative Study On Internet Payment Systems & Digital Cheque Protocol Design"*,  
defended with score of 3.87/4.00

1991 - 1993 Physics Department, Faculty of Mathematics & Science, University of Indonesia

1988 - 1991 Pangudi Luhur Catholic High School, Kebayoran Baru, Jakarta  
Final essay title: *"Graphical User Interface"*

### **Informal Education**

1990 C Language Course, Indonesian Informatics Education Foundation

1988 - 1989 BASIC level I, II dan III Course, CTC Computer Training, for High School extra lesson  
requirement

### **Working Experience**

From 1987 to 1996, worked as a computer professional. From 1997-1999 worked at Faculty of  
Computer Science / Computer Science Centre, University of Indonesia. Currently M.Sc. student  
at National University of Singapore. Research area: digital payment systems and financial  
cryptography

Dec 1999 – Apr 2000 School of Computing, National University of Singapore  
Web programmer & Teaching Assistant, Electronic Commerce class. Involves the development  
of simulated e-commerce environment for the students with a centralized payment gateway.

Oct 1999 Founded (with ex research members of previous digital security research) P.T. Electronic  
Commerce Indonesia Saranacipta, a startup company within University of Indonesia's business  
incubator <[www.ecomindo.com](http://www.ecomindo.com)>

Apr 1999 - Jun 1999	Bank of Indonesia, Y2K audit team for Indonesian banks, under Center of Computer Science, University of Indonesia
Feb 1999 - Jun 1999	Faculty of Computer Science, University of Indonesia, Associate Lecturer, Data Structure class
Aug 1998 – Jan 1999	Faculty of Computer Science, University of Indonesia, Associate Lecturer, Digital Security class
May 1998 - May 1999	Jakarta Stock Exchange, Y2K consulting under Center of Computer Science, University of Indonesia
Apr 1998 – June 1999	Research Coordinator, Integrated Top Research Project VI: Digital Security/Electronic Commerce, Faculty of Computer Science, University of Indonesia
Feb 1998 - Jun 1998	Faculty of Computer Science, University of Indonesia, Associate Lecturer, Operating System class
Nov 1997	Instructor, JavaScript course, Computer Science Centre, University of Indonesia
Sep 1997 - April 1998	Faculty of Computer Science, University of Indonesia Research Assistant on EIS project for University of Indonesia, using distributed objects technology (CORBA/Java/C++)
Sep 1997 - Jan 1998	Faculty of Computer Science, University of Indonesia Teaching Assistant of Digital & Network Security
Sep 1997 - Jan 1998	Faculty of Computer Science, University of Indonesia Teaching Assistant of Computer Networks
Jul - Nov 1996	Sistelindo Mitralintas, PT (IBM Global Network) System analyst for web server, homepage design, designer/programmer web-based call avoidance software
Sep - Dec 1995	Faculty of Computer Science, University of Indonesia Project manager & system analyst "CyberTrade: Secure Internet Business Transaction"
Jul - Aug 1995	National Computer Conference '95 Project manager Multimedia Information System
Mar - May 1995	Physics Dept., Faculty of Math & Science, University of Indonesia Lecturer on "Programming Concepts with C" course
Feb 1995	Faculty of Computer Science, University of Indonesia Project manager Faculty of Computer Science Multimedia Information System
Jul 1994	Faculty of Computer Science, University of Indonesia Project manager CompuArt '94 Multimedia Information System
Jan - Jun 1994	Faculty of Computer Science, University of Indonesia Teaching Assistant "Introduction on Digital Designs"
Jan 1994	Elnusa Schlumberger - GeoQuest Project manager Multimedia Receptionist System
Oct 1993	Elnusa Schlumberger - GeoQuest

	Technical manager GeoQuest Multimedia Information System
1993	Chief Physics Computer Club (PCC), Physics Dept., University of Indonesia
Mar 1993	Physics Dept., Faculty of Math & Science, University of Indonesia Project manager Physics Dept. Multimedia Information System
Aug 1992	Asian Business Congress on Human Development Information center & database manager
Jul - Aug 1992	Inke Maris & Associates, Public Relations Project manager for office computerization & training
Jan - Jul 1992	Indonesian Obstetry & Gynecology Association Project manager for office computerization & training
Jun 1991	Conceptgroup of Integrated Design / DeDato Indonesia Sistem analyst
Dec 1989 - Jan 1989	University Research Corporation Database programmer
Jul 1987 - Jan 1990	Indonesian Secure Contraception Centre Computer consultant, trainer, database design
Jan – Jun 1987	Indonesian Public Health Association Computer consultant, trainer

#### Membership

1999 – now	Co-founded "Center of Law for Technology Studies", Faculty of Law, University of Indonesia.
1996 – 1997	Student Study Club, "Eka Prasetya", University of Indonesia
1994 – 1997	Student Computer Research & Technology Bureau, Faculty of Computer Science, University of Indonesia
1988 – 1991	Science Club Pangudi Luhur High School
1986 – 1990	MelEk (Melawai Elektronik) Computer Club.

#### Awards

Jul 1999	Research scholarship leading to Masters degree at National University of Singapore, School of Computing, Computer Science Dept.
May 1997	Most Outstanding Student Of The Year Award, 1997, University of Indonesia, with certificate from the Minister of Education
May 1997	Most Outstanding Student Of The Year Award, 1997, Faculty of Computer Science, University of Indonesia
Feb 1997	Qualified for 6 <sup>th</sup> German Business Congress with an essay titled " <i>Globalization by The Net</i> " which scored 91%

Oct 1990 Finalist on Programming Competition  
Computer Science University of Indonesia Student Body

Feb 1990 4<sup>th</sup> rank on Computer Competition, VIII Public High School, highest score on final

### Participation

Mar 2000 Exhibitor in National Information Technology Awareness 2000, Singapore. Multimedia presentation title (for exhibition): "Introduction to Security, Privacy and Anonymity in Internet Commerce".

Nov 1999 Participant in AsiaCrypt '99, Singapore

Oct 1998 Lead University of Indonesia's exhibition & conference team in "Techno Pre-Eminance '98: E-Commerce", an international conference/exhibition held by Indonesia's telecommunication company (PT. Telkom).

Mar 1997 Indonesian delegation on 6<sup>th</sup> German Business Congress: "Return on Globalization". Finalist in the essay competition with title: "Globalization by the Net"

### Researches

Jul 1999 - now Master's research in financial cryptography & electronic payment systems

Apr 1998 – Jun 1999 Research Coordinator in the Integrated Top Research VI, digital security / electronic commerce area of research. Topics:

1. "Java & SET based Internet Payment System"
2. "Studies On Digital Signature Law Framework In Indonesia" (joint research with Faculty of Law, University of Indonesia)
3. "Smartcard based digital ID's & E-cash"

Faculty of Computer Science, University of Indonesia.  
Reports available at <[www.geocities.com/amwibowo/resource.html](http://www.geocities.com/amwibowo/resource.html)>

Mar 1997 Preliminary research, "Digital Signature and Digital Certificates: An Indonesia Law Perspective", Faculty of Computer Science & Faculty of Law, Univ. of Indonesia

Oct 1997 – Mar 1998 Research assistant in the Integrated Top Research V, information system area of research, topic: "Design of CORBA Based External Parser for Multi Client Server Information Retrieval" Faculty of Computer Science, University of Indonesia.

Dec 1996 – Jul 1997 Bachelor degree research, with title: "Comparative Study on Internet Payment Systems & SET-based Digital Cheque Protocol Design", Faculty of Computer Science, University of Indonesia. Available at <[www.geocities.com/amwibowo/resource.html](http://www.geocities.com/amwibowo/resource.html)>

Sep 1995 – Jan 1996 Research manager, "CyberTrade: Secure Electronic Business Transaction", Faculty of Computer Science, University of Indonesia.

### Publications

Feb 2000 "Loyalty Program Scheme for Anonymous Payment Systems". Unpublished, available at <[www.geocities.com/amwibowo/resource.html](http://www.geocities.com/amwibowo/resource.html)>

Jun 1999 "Understanding Credit Card Crimes of the Internet". Unpublished, bahasa Indonesia, <[www.geocities.com/amwibowo/resource.html](http://www.geocities.com/amwibowo/resource.html)>

Jul 1998 "What are digital certificates?" Infokomputer magazine, Internet edition, available at <[www.geocities.com/amwibowo/resource.html](http://www.geocities.com/amwibowo/resource.html)>

Jun 1998 "Year 2000 Black Box Testing Methodology", Technical Report, Faculty of Computer Science, University of Indonesia

Jun 1998 "ObjectWeb with CORBA/Java" Infokomputer magazine, Internet edition

Apr 1998 "CORBA Based External Parser Design For Multisource Client Server Information Retrieval", Technical Report, Faculty of Computer Science, University of Indonesia

Mar 1998 "Digital signature & digital certificates: An Indonesian Legal Perspective", joint paper with Faculty of Law, presented in 'Internet: Source of Truth & Lies' seminar, University of Indonesia

Nov 1997 "3D Graphic Accelerator Functions", Infokomputer magazine

Jul 1997 "Comparative Study on Internet Payment Systems & Digital Cheque Protocol Design", Bachelor Thesis, Faculty of Computer Science, University of Indonesia

Mar 1997 "Globalization By The Net", Essay for the 6<sup>th</sup> German Business Congress, Köln, Germany

Jan 1996 "CyberTrade: Secure Internet Business Transactions", Project Documentation, Faculty of Computer Science, University of Indonesia

May 1994 "Overcoming DOS 6.2 Upgrade Disk" Infokomputer magazine

Apr 1994 "Microsoft Windows for Workgroup 3.11" Infokomputer magazine

Jan 1991 "Graphical User Interface", Final Paper, Pangudi Luhur High School

Oct 1990 "Mouse: Not for Infants" Infokomputer magazine

1990 "Easy to Use Desktop Publishing Programs", High School Magazine

**Hobby** Computers, reading, cooking, dancing, coin collecting, code of arms collecting

**Language** Bahasa Indonesia: active  
 English: active (TOEFL 613, IELTS 7.5), American accent  
 German (studied at Goethe-Institute, Jul-Dec 1998)  
 Know some Mandarin and Arabic

**Sports** Weekly sports include aerobic, jogging and weight lifting

**Others** Active / member in several other social, student & intellectual organization / activities. (*separate resume, available upon request*)

**Home Address** Jl.Lamtoro no.131 Blok L  
 Cinere, Kab.Bogor  
 Jawa Barat, 16514  
 INDONESIA  
 Telp: 62-21-754-2591

Singaporean address:  
 Blk. 400, Choa Chu Kang Ave 4. #06-453  
 Singapore 680440

telp: 65-7648045

**Electronic Address**

e-mail: amwibowo@excite.com  
amwibowo@caplin.cs.ui.ac.id  
amwibowo@yahoo.com  
iscp9063@nus.edu.sg (current)  
homepage: <http://www.geocities.com/amwibowo>  
e-resume: <http://www.geocities.com/amwibowo/resume.html>

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