

Applicant Tracking System Model Based on Block Chain Technology

**Inayatulloh, Siti Elda Hiererra , Prasetya Cahya S,
Indra Kusumadi Hartono**

Information Systems Department
School of Information system
Bina Nusantara University
Jakarta, Indonesia 11480

Inay@binus.ac.id, elda.siti@binus.ac.id,
prasetyacs@binus.ac.id, indrakh@binus.ac.id

Rivaldhy N. Muhammad

Study Program of Law, Faculty of Law,
Social and Political Sciences
Open University, Indonesia
valdhymuhammad1@gmail.com

Ade Fadli Fachrul

STTD Al Hikmah
Jakarta, Indonesia

adefadli1987@binus.ac.id

Enggal Sriwardiningsih,

Management Department, Binus Business School,
Bina Nusantara University,
Jakarta, Indonesia,
enggal@binus.ac.id

Rizky Muslim Fadhillah Fachri

Data Science Cyber Security Swiss German University
rizky.fachri@student.sgu.ac.id

Abstract

The relationship between higher education as a provider of labour services from graduates has a strong relationship with industry as an institution that uses labour services from graduates of higher education. Track records of student academic achievements are stored either in higher education or when students or prospective employees/employees have certificates of expertise/professionalism, work experience letters are only stored in the company and there is no integrated system that stores these track records while the industry is a user of labour services. Employers really need valid information about prospective employees who will work in their company. Therefore, a system that integrates universities, students/prospective employees, employees, and industry is needed. On the other hand, blockchain is a technology that offers a high level of security and several other advantages that can be used to build an integrated system. This research aims to build an employee tracking system model that integrates higher education, prospective workers/students, workers, and industry in a single system based on block chain technology. The research method uses a qualitative approach through literature studies and observations to find problems and alternative solutions..

Keywords

Block Chain, Tracking System, Employee, Transparency, Company.

Biographies

Inayatulloh SE.MMSI,CDMS.CSCA is a lecturer at Bina Nusantara University, School of Information System Jakarta Indonesia and also a doctoral candidate of computer science, experienced in managing systems in the retail, automotive, convection and education industries. research domain in e-learning, e-business, e-commerce, cloud computing, IoT and block chain technology.

Rivaldhy N. Muhammad is a Lecturer at the Open University which is one of the State Universities in Indonesia. holds a Bachelor of Laws degree at Khairun University Ternate and a Masters degree at Janabadra University Yogyakarta. Since becoming a Lecturer in 2018, he has been assigned to Jayapura Papua Open University as a Lecturer in the field of Legal Studies who always provides teaching and guidance to students who need good knowledge. Before becoming a lecturer, Rivaldhy N. Muhammad was a lawyer who always helped people who needed legal aid services.

Prasetya Cahya S is a Faculty Member at Bina Nusantara University as well as a practitioner and technopreneur in the field of information systems. He is an alumni of the University of Indonesia Master of Information Technology program and has more than 25 years of experience both as a lecturer at several universities and also a consultant for several IT projects such as the State Gas Company, the Indonesia Stock Exchange, Bank Indonesia and also the World Bank.

Dr. Enggal Sriwardiningsih SE. M.Si is a lecturer at Bina Nusantara University. Management Department, Binus Business School, Jakarta, Indonesia. She graduated bachelor and master's degree from Economics department, Gajah Mada University, Yogyakarta. Doctoral degree from Doctoral Research Management, Bina Nusantara University, Jakarta, Indonesia. Her focus in consumer / producer behaviour, SMEs, e-commerce and e-learning.

Siti ELda Hiererra is a doctoral student in computer science/information systems (DCS) at Bina Nusantara University Jakarta. She was practically experienced working as a business and technology development for Digital Creative Start Up Company especially in Child Education. Her academic background has obtained a bachelor and master degree from Bina Nusantara University majoring in Information Systems. ELda is currently a faculty member at School of Information Systems Binus University.