

CURRICULUM VITAE



PERSONAL INFORMATION

Name **BASELIYOS JACOB**
Address **KAZBÖCKSTR. 29, 86157 AUGSBURG**
Telephone **+49 171 3308616**
Fax
E-mail baseliyos.jacob@deutschebahn.com

Nationality German
Date of birth 25.05.1982

WORK EXPERIENCE

- Dates (from – to)
 - Name and address of employer
 - Type of business or sector
 - Occupation or position held
 - Main activities and responsibilities
- 03/2013 - TODAY**
DB Netz AG, Theodor Heuss Allee 7, 60486 Frankfurt am Main
Rail Infrastructure Manager
Project Advisor ERTMS/ETCS OBU R&D Projects
- *Support and representation of the overall management of the ITEA2 R & D project openETCS*
 - *Project management of the work packages management and formalization within the ITEA2 R & D project openETCS*
 - *Project communication: meetings, Go2Meetings, protocols, initial treatment in Repositories, organization of international project events.*
 - *Settlement of commercial matters (procurement of materials and benefits) for the entire project.*
 - *Budget monitoring, adaptation and resource planning for the entire project*
 - *Acquisition and support of the student (diploma, master, bachelor thesis or Internship)*
 - *Administrative Management and Professional lead of formalization, modeling and code generation within the ITEA2- R & D project openETCS in the role of SCRUM Product Owner (agile methods), with involvement of the Stakeholders (railway undertaking, Infrastructure manager, manufacturers, etc ...).*
 - *Participation in international -and- national bodies for interoperability and standardization of the European railway sector*
 - *Participation in committees and core teams inside and outside (international) DB for the system interface (track-train) for the "Onboard Unit ETCS system"*
 - *Advise and assist the DB railway company (DB Regio, DB Schenker Rail and DB distance traffic) during migration, implementation and generic issues of ETCS in the vehicle.*
 - *Representing the interests of DB AG EVU's the subject ERTMS in international associations (UIC, CER, ERA, UNIFE)*
 - *Representing the interests of DB AG EVU's the Subject ERTMS in inter-national institutions (European Commission and European Rail Authority).*
 - *Controlling and budget responsibility.*
 - *Prepare concepts for budget Funding in the context of international R&D ETCS projects within the Deutsche Bahn AG*

- Dates (from – to)
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04/2011 – 02/2013

Deutsche Bahn Fernverkehr AG, Stephensonstr. 1, 60326 Frankfurt am Main

Railway Undertaking (Long Distance/High Speed)

Expert ERTMS

- *Support of the Board through strategic and conceptual development of the business sector with respect. ETCS implementation and GSM-R equipment.*
- *Ensure the execution of the ICE ETCS projects in accordance within the cost, schedule and quality goals.*
- *Consultation with the international infrastructure managers with regard to the implementation time horizons of ETCS and GSM-R.*
- *International coordination of equipment standards of ETCS and the their application in the DB maintenance processes.*
- *Realization of the ETCS implementation and preparation of necessary technical rules.*
- *Alignment between vehicle scheduling, technology and financing within the ETCS and GSM-R implementation.*
- *definition and delimitation of the interfaces of safety critical vehicle systems (ERTMS) to the other rail systems (FIS, RIS, infotainment) with the departments*
- *support and operation of the interfaces to railnet project (W-LAN in High Speed Train)*
- *Implementation of project analysis and performance reviews.*
- *Leading the ETCS implementation projects of vehicle projects ICE 3M and ICE-T for the DB AG long-distance transport*
- *Creation of the CSM proof documentation.*
- *Technical Cooperation in the international R & D project openETCS.*
- *Representing the interests and requirements of the DB distance transport in the context of international R & D projects(openETCS) as part of KosePro (DB cost cutting program)*
- *Representing the interests of DB long-distance transport ERTMS in international organizations (UIC, CER, UNISIG, UNIFE).*
- *Representing the interests of DB Fernverkehr AG in the subject ERTMS in international associations (UIC, CER, ERA, UNIFE)*
- *Representing the interests of DB AG Fernverkehr AG in the subject ERTMS in international institutions (European Commission and European Rail Authority).*

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

01/2011 – 03/2011

DB Netz AG, Thedor Heuss Allee 7, 60486 Frankfurt am Main

Rail Infrastructure Manager

Area Manager

- *Inspection, maintenance and troubleshooting of existing infrastructure Control – Command and Signaling system*
- *Ensure of timely and safe infrastructure operating*
- *Temporality and on budget planning of maintenance*
- *Technical and Disciplinary responsibility of employees*

- Dates (from – to)
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- Main activities and responsibilities

10/2003 – 09/2005

DB Systel GmbH, Project department, Jürgen Ponto Platz 1, 60329 Frankfurt am Main

Deutsche Bahn ICT Provider – Project Department

Construction Supervisor

- *construction management and supervision of construction projects of (Telecommunications) Deutsche Bahn AG according to applicable rules of the art and current guideline, service and administrative provisions of the EBA (TK) with respect to economic principles*
- *Realization and monitoring of maintenance and constructions work under Consideration of the operation plan of the DB AG*
- *Regular participation in the appropriate construction meetings*
- *Time delivery, performing the work within a given construction schedule*
- *Monitoring the performance of the executive entities*
- *Monitoring of the respective safety companies (safety of constructions und operation in rail-ways)*
- *Timely consultation and agreements with other specialized services (LST, 50Hz, OL, ...) of the DB AG.*
- *"Factually correct" tests, based on the bills of quantities, delivery and statements of companies*
- *Ensure of economic Working under adherence to DB safety policies in railway constructions*

- Dates (from – to)
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 - Occupation or position held
- Main activities and responsibilities

09/2002 – 09/2003

DB Systel GmbH, Project department, Jürgen Ponto Platz 1, 60329 Frankfurt am Main
Deutsche Bahn ICT Provider – Maintenance Service Departement
Service technician

- *Installation and assembly of telecommunication facilities*
- *Debugging and maintenance of telecommunication systems and their Power supply systems (GSM-R train radio, operator-dispatcher communication systems).*
- *Participation in Emergency Service*
- *Conducting cable operations and cable debugging work taking into account the operational sequence of the DB AG*
- *Ensure the compliance with the respective DB AG regulations*
- *Plan and execute orders according to customer requirements*
- *Installation, debugging and maintenance of safety critical infrastructure of the DB AG*

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

02/2002 – 08/2002

Stadtwerke Holding GmbH, Hoher Weg 1, 86152 Augsburg
Municipal Utility
Service technician

- *Installation and assembly of information and communication systems.*
- *Order processing by customer orders*
- *Organization and delivery of materials and personnel*
- *Maintenance of equipment used in each case*
- *Training of staff in the process flow regarding to the used technologies*
- *Commissioning and monitoring of the technical program sequences*
- *Planning and Development of the individual telecommunications units (Ericsson, Siemens, Kathrein, Bosch, ...)*

EDUCATION AND TRAINING

- Dates (from – to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
 - Title of qualification awarded
 - Level in national classification (if appropriate)

02/2012 – 04/2014

University of Wales/Fernuniversität Hagen

Master of Business Administration – General Management

Master of Business Administration
 Master

- Dates (from – to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
 - Title of qualification awarded
 - Level in national classification (if appropriate)

10/2005 – 12/2010

University of Applied Sciences of Augsburg

Electrical engineer – information- and telecommunications technologies

Diplom-Ingenieur Elektrotechnik
 Master

- Dates (from – to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
 - Title of qualification awarded
 - Level in national classification (if appropriate)

09/1998 – 02/2002

Stadtwerke Augsburg Holding GmbH, Industry, Municipal Utility

Dual Apprenticeship Training

Power electronics technician
 Apprenticeship/Craftsman

**PERSONAL SKILLS
AND COMPETENCES**

*Acquired in the course of life and career
but not necessarily covered by formal
certificates and diplomas.*

MOTHER TONGUE

GERMAN/ARAMAIC

OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

ENGLISH

VERY GOOD

GOOD

VERY GOOD

**SOCIAL SKILLS
AND COMPETENCES**

*Living and working with other people, in
multicultural environments, in positions
where communication is important and
situations where teamwork is essential
(for example culture and sports), etc.*

INTERCULTURAL COMPETENCE

COMMUNICATIVE

SELF INITIATED

AMBITIOUS

LIVING IN SAN DIEGO FOR 6 MONTHS WHILE STUDYING ABROAD

**ORGANISATIONAL SKILLS
AND COMPETENCES**

*Coordination and administration of people,
projects and budgets; at work, in
voluntary work (for example culture and
sports) and at home, etc.*

EVENT MANAGEMENT

FINANCING MANAGEMENT AND CONTROLLING

TEAM LEADER

RUGBY AND AMERICAN FOOTBALL PLAYER IN INTERNATIONAL ENVIRONMENT SINCE 1998

**TECHNICAL SKILLS
AND COMPETENCES**

*With computers, specific kinds of equipment,
machinery, etc.*

COMPUTER SCIENCE AND PROGRAMMING KNOWLEDGE IN

Application programming PLC (IEC 1131 guidelines)

STRUCT

In-depth knowledge in the areas of control and regulation electronics

C / C ++

Java

Fortran

VHDL

LISP

Assembler

Matlab

MS Office (all known versions)

Scade (Modeling tool)

SysML (Modeling tool)

Git Hub (Development Platform)

Model driven process in an intercultural environment

**OTHER SKILLS
AND COMPETENCES**

Competences not mentioned above.

DRIVING LICENCE(S)

B, M and L

APPENDICES

DIPLOMA SUPPLEMENT AND CERTIFICATE OF THE MBA

DIPLOMA SUPPLEMENT AND CERTIFICATE OF THE DIPLOM-INGENIEUR

REFERENCE LETTER SAND DIEGO STATE UNIVERSITY

CERTIFICATE OF THE APPRENTICESHIP TRAINING POWER ELECTRONICS TECHNICIAN

**PRIFYSGOL CYMRU
UNIVERSITY OF WALES**



Ardystir drwy hyn ddarford derbyn
BASELIYOS JACOB
i radd
ATHRO MEWN GWEINYDDIAETH FUSNES
gyda **THEILYNGDOD**
ar 6 Tachwedd 2014

*Ceir manylion am leoliad yr astudiaethau a'r iaith dysgu/asesu
a ddefnyddiwyd yn y trawsgrifflad academaidd.*

It is hereby certified that
BASELIYOS JACOB
has been admitted to the degree of
MASTER OF BUSINESS ADMINISTRATION
with **MERIT**
on 6 November 2014

*Details of location of study and of language of instruction/assessment
used are set out in the academic transcript.*

**IS-GANGHELLOR PRIFYSGOL CYMRU
VICE-CHANCELLOR OF THE UNIVERSITY OF WALES**



00030067



DIPLOMA SUPPLEMENT

This Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient recognition of qualification (diplomas, degrees, certificates etc). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all seven sections should be provided. Where information is not provided, please provide the reasons why.

1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

Surname: Jacob
 First Name (s): Baseliyos
 Date of Birth: 25.05.1982
 Student ID number (if available): 1190047548331

2. INFORMATION IDENTIFYING THE QUALIFICATION

Name of qualification and (if applicable) title conferred: Master of Business Administration, General Management
 Main field(s) of study for the qualification: Financial Accounting Systems, Strategic Planning, Controlling, Analysis of the Annual Statement Accounting, International Management, International Marketing, Financial Management, Investment Management and Risk Management, International Financial Accounting Organisation and Human Resource Management Dissertation
 Name and status of awarding institution (in original language): University of Wales
 Name and status of teaching Collaborative Centre (in original language): FernUniversität Hagen, Allfinanz Akademie
 Language(s) of instruction/examination: German

3. INFORMATION OF THE LEVEL OF THE QUALIFICATION

Level of qualification: LEVEL 7
 Official length of programme: 2 Years
 Access requirements: successful apprenticeship, three additional years of professional experience and an admission test or a first degree (no admission test required)

4. INFORMATION ON THE CONTENTS AND RESULTS GAINED

Mode of Study: Part Time
 Programme requirements: 90 ECTS CREDITS/ 180 UK CREDITS
 Programme details: Given below as record of learning and achievement

Degree grading scheme and, if available, grade distribution guidance:

Overall Average	Classification
> 70 %	Distinction
55 - 69	Merit
40 - 54	Pass
< 35 %	Fail

Overall classification of the qualification (in original language): Merit
 Date of Award: 06/11/2014

Record of Learning and Achievement

Module Code	Subject	Level	Marks (%)	UK Credits	ECTS Credits
M 1	Financial Accounting Systems	7	51	10	5
M 2	Strategic Planning	7	46	10	5
M 3	Controlling	7	55	10	5
M 4G	Marketing	7	51	10	5
M 5G	International Management	7	71	10	5
M 6G	International Marketing	7	72	10	5
M 7	Analysis of the Annual Statement of Accounts	7	73	10	5
M 8	Financial Management	7	72	10	5
M 9	Invest and Risk Management	7	75	10	5
M 10	International Financial Accounting	7	73	10	5
M 11.1	Organisation	7	67	10	5
M 11.2	Human Resource Management	7	67	10	5
	Dissertation	7	71	60	30
Overall Award Average			66,61 %		

i. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

Access to further study: POSTGRADUATE

Professional status (if applicable): n/a

ii. ADDITIONAL INFORMATION

Additional Information: www.femuni-hagen.de; www.allfinanzakademie.de

Further information sources: www.wales.ac.uk

iii. CERTIFICATION OF THE SUPPLEMENT

Collaborative Centre	Awarding Body
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Date: Date: 17/11/2014

Signature: Signature: 

Capacity: Capacity: Vice Chancellor
University of Wales

Official Stamp: Official Stamp:



Please note this document is considered an official University of Wales transcript and should be read in conjunction with the formal award certificate issued for the candidate named above. Should you require further information on the University of Wales and/or the nature of this award, please contact the Validation Unit in the first instance.



Hochschule Augsburg
University of Applied Sciences

Hochschule für angewandte Wissenschaften
Fachhochschule Augsburg

Urkunde

Die Fachhochschule Augsburg verleiht **Herrn Baseliyos Jacob**

geboren am **25.05.1982 in Augsburg**

auf Grund der am **19. November 2010**

erfolgreich abgelegten Diplomprüfung
den akademischen Grad

Diplom-Ingenieur (FH)

Kurzform:

Dipl.-Ing. (FH)

Augsburg, 19. November 2010

Der Präsident
der Fachhochschule Augsburg
Prof. Dr.-Ing. H.-E. Schurk



Der Dekan der Fakultät
für Elektrotechnik
Prof. Dr.-Ing. F. Raps

Herr Baseliyos Jacob, geboren am 25.05.1982 in Augsburg,
hat die Diplomprüfung im Studiengang Elektrotechnik,
Studienschwerpunkt „Informations- und Kommunikationstechnik“ abgelegt und bestanden.
Das Gesamtnotum lautet „befriedigend bestanden“.

Fächer	Endnoten
Elektrische Meßtechnik	ausreichend
Systemtheorie	befriedigend
Grundlagen der Elektrotechnik II	ausreichend
Informantk II	ausreichend
Bauelemente I	befriedigend
Microcomputertechnik	ausreichend
Informantk III	ausreichend
Regelungstechnik	ausreichend
Schaltungstechnik	ausreichend
Grundlagen der Mikroelektronik	gut
Datentechnik	ausreichend
Nachrichtenübertragungstechnik	ausreichend
Nachrichtensysteme	ausreichend
Hochfrequenz- und Mikrowellentechnik	befriedigend
Automatisierungstechnik	gut
Diplomarbeit	1,3

Thema der Diplomarbeit:
Definition einer standardisierten ETCS- Datenabgabe für eine Importfunktion und Betriebssimulation
von realen ETCS- Streckenabschnitten in einem ERSÄ - Tool

Notensystem für die Endnoten	Abschlüssen im Gesamtnotum
1 = sehr gut	„mit Auszeichnung bestanden“
2 = gut	„sehr gut bestanden“
3 = befriedigend	„gut bestanden“
4 = ausreichend	„befriedigend bestanden“
5 = nicht ausreichend	„bestanden“

Die Diplomprüfung wurde nach Maßgabe der Rahmenprüfungsordnung für Fachhochschulen in Bayern (RäPO) vom 17. Oktober 2001 (GVBl. S. 686) in Verbindung mit der Studien- und Prüfungsordnung der Fachhochschule Augsburg für den vorbeschriebenen Studiengang in der jeweils gültigen Fassung abgelegt.

Fächer	Endnoten
Felder und Wellen	befriedigend
Betriebswirtschaftslehre	sehr gut
Entwurf und Konstruktion	sehr gut
Studiengangsspezifische Wahlpflichtfächer: Automobilelektronik XDSL-Übertragungstechniken Projekt Informations- und Kommunikationstechnik	gut gut befriedigend gut
Allgemeinwissenschaftliche Wahlpflichtfächer: Theologie (Apokalypse) Spanisch I Existenzgründung	gut befriedigend gut gut
Fächer der praktischen Studiensemester: Bauelemente II Sicherheitstechnik Fertigungstechnik Qualitätssicherung	gut ausreichend befriedigend gut
Prüfungsgesamnote:	2,9

Praktika mit Erfolg abgelegt:
Praktikum Grundlagen der Elektrotechnik, Praktikum Digitaltechnik I, Praktikum Digitaltechnik II,
Praktikum Elektrische Meßtechnik, Praktikum Schaltungstechnik, Praktikum Nachrichtentechnik,
Praktikum Microcomputertechnik, Praktikum Energie-, Regelungs-, Automatisierungstechnik

Das Studium umfasse zwei mit Erfolg abgelegte praktische Studiensemester. Die Diplom-Vorprüfung wurde nach Abschluss des Grundstudiums erfolgreich abgelegt. Im Rahmen der Diplom-Vorprüfung wurden weitere Prüfungen und Leistungsnachweise erbracht, diese sind aus dem Diplom-Vorprüfungszeugnis zu ersehen. Bei Vermerk (AV) hinter der Fachbezeichnung wurde die Leistung an einer anderen Hochschule oder in einem anderen Studiengang der Fachhochschule Augsburg erbracht und im Wege der Anrechnung übernommen.

Augsburg, 19. November 2010

Der Präsident

Prof. Dr.-Ing. H.-E. Schunk

Der Vorsitzende der
Prüfungskommission

Prof. Dr. Kopyssynski

Department of Electrical
and Computer Engineering
College of Engineering E-426
San Diego State University
5500 Campanile Drive
San Diego CA 92182-1309
Tel: 619-594-5718
Fax: 619-594-2654



SAN DIEGO STATE
UNIVERSITY

December 7, 2009

Re: Reference Letter for Mr. Baseliyos Jacob

To whom it may concern:

I am writing this letter as requested by Baseliyos Jacob. I got to know Baseliyos through his visit at San Diego State University, California, U.S.A., where I work as an Assistant Professor in the Department of Electrical and Computer Engineering.

Baseliyos has attended my EE450 - Electromagnetics course during the Fall 2008 semester at SDSU. This course covers Maxwell's equations and their solutions as applied to plane waves, transmission lines, and waveguides. As part of the project assignment, Baseliyos worked on transmission line characterization using the commercial simulator Ansoft, which he completed successfully.

He has done a great job in participating in the class discussions and completing the project assignment. Please feel free to contact me if you have any questions.

Sincerely,

A. Ege Engin, Ph.D.
Assistant Professor

Department of Electrical & Computer Engineering
San Diego State University (E-403H)
5500 Campanile Drive
San Diego, CA 92182-1309

TEL: 619.594.2726

FAX: 619.594.2654

E-mail: aengin@mail.sdsu.edu

Prüfungszeugnis

nach § 34 Berufsbildungsgesetz



Baseliyos Jacob

geboren am 25.05.1982 in Augsburg

hat die Abschlussprüfung in dem anerkannten Ausbildungsberuf

**Energieelektroniker
Anlagentechnik**

mit der Gesamtnote 3,2 bestanden

Prüfungsergebnisse:

Kenntnisprüfung

befriedigend
80 Punkte

Fertigkeitsprüfung

befriedigend
67 Punkte

Augsburg, 22.02.2002

Industrie- und Handelskammer für Augsburg und Schwaben

Präsidentin

Hannelore Leimer



Hauptgeschäftsführer

Peter Saalfrank