



Tony Niu

Full-stack developer/
Project Coordinator

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PROFESSIONAL OVERVIEW

- 6-year experience with mobile/Front-end development, well knowledge on the importance of team cooperation, and familiar with agile development, had been involved in many front-end cross-platform projects, covered almost all the mainstream platforms, like web, iOS, Android, PlayStation, SmartTV, etc.
- 5-year experience with project coordination and support. Assisted several international teams, managed one project as a contractor, led two outsourced projects in full cycle, also two times involved in the pre-sale cycle for technical demonstration.
- 10-year residence in Europe, have been fully adapted in international teams. Fluent English and enough German for daily usage, possessed the communication skills with both team members and customers for the rapid understanding of requirements, as well as the coordination skills for swift resolve.
- Issue solving with caution and pre-thinking. Thanks to the experience of software testing and log analysis, I obtained the ability to track the bugs in subtle and propose proper solutions.
- Willing to accept new challenges, new roles, new environments. With flexibility, adaptability and learning skills, I am looking forward to being in an innovation team.
- I am expecting a technic-related position, such as development, project management/coordination, consulting. My further career plan aims the combination of technic and management/coordination. Certain business travel is acceptable.

EMPLOYMENT HISTORY

2018.7 – now Dazoon GmbH, Stuttgart, DE — Consultant & Contractor

Dazoon GmbH is an influencer management agency, serving the influencers on consulting and providing the optimisation strategies on audience targeting and growth.

- As a contractor, lead the implementation and management of automation systems on social media accounts.
- As a consultant, proposed IT solutions for the optimisation of influencers' engagement, website design, etc.

2017.7 – 2018.3 Encom GmbH, Saarlouis, DE — Mobile&Frontend developer

Encom GmbH is an IT consultation and services company in automotive industry, whose focus is IT-based solution for the management of production process.

- As a full-stack developer, was responsible for 'Meeting App' project and participated in 'En4m' for upgrade work, rebuilt some of the system UI.
- As a project coordinator, monitored 'En4m' and kept updated with customers on bug report/requirements.

2013.9 – 2017.3 Kantar Media (Kantar Group), Saarlouis, DE — Full stack developer/Technical Support

Kantar Media, as a Subsidiary of WPP, is a market research IT firm specialising in media measurement.

- As a developer, took the major responsibility for 'Media Data Sensor' project, worked on innovations of media data collection, feasibility study on new devices or with new technologies.
- As a technical support, engaged in pre-sale demonstration and after-sale support, coordinated with the development team based on customers' requirements. led two outsourced projects and assisted in solving technical problems.

2012.2 – 2013.1 DFKI GmbH, Innovative Retail Laboratory, Saarbrücken, DE — Intern

Deutsches Forschungszentrum für Künstliche Intelligenz (DFKI) is one of the world's largest nonprofit contract research institutes for software technology based on artificial intelligence (AI) methods.

- As an intern, explored the feasible usage of Augmented Reality in paper-based leaflets, submitted an Android-based in-book navigation app as master thesis.
- As an intern, involved in 'Remote Control of 3D Projector' project, and released a beta version

PROJECT EXPERIENCE

2018.7 – now Mobile/Web automation systems — Contractor

'Automation system for social media' is an android and web-based management/monitoring system for social media accounts, designed for influencers to easy access, manage and monitor the social media engagement.

- Implemented by using python selenium and uiautomator2, controlled by remote python-Flask server via rest API.
- Developed and maintained a private proxy network.
- Managed the project as contractor, led and managed the project with a small team.

2017.7 – 2018.3 Mobile 'Meeting APP' project — Encom GmbH, Saarlouis, DE

'Meeting APP' is a hybrid mobile application for meeting management. The major functions include meeting creation, participants management, agenda setting, time reminder, documents management and other meeting-related modules.

- The 'Meeting App' was accomplished by using Ionic/Angular framework, and optimised for iOS. Back-end Java server took the advantage of Rest API OData, and MongoDB as the storage.
- Hold the major responsibility for 'Meeting App' project in development, functional test and releases. A version for internal usage had been successfully released.

2017.7 – 2018.3 'En4m' process management project — Encom GmbH, Saarlouis, DE

'En4m' is a flash-based management system for industry production process. The core functions include resources management, time management, process monitoring, project forecast, cost statistics, etc.

- Upgraded the flash-based UI to HTML/Javascript pages, specifically developed project-related pages. The new UI is designed based on React JS. Semantic UI and Ant Design are widely used in the project.
- Was responsible for the code quality control, involved in the code review, cross-test, test case planning.
- Coordinated with the development team based on customers' feedback. Bug and issue reports were effectively and clearly transformed to developers' tickets.

2013.9 – 2017.3 'Media Data Sensor' project — Kantar Media, Saarlouis, DE

'Media Data Sensor' is the front-end part of the 'Kantar Measurement System', and functions as a collector of media/streaming data. Based on data collection, 'Kantar Measurement System' could analyse users' preferences with big data methods. The sensors are developed on various platforms, which benefits the product as an all-in-one solution.

- Took the major responsibility on this project in development, maintenance, functional tests and final releases.
- This project is accomplished on many platforms, including iOS, Android, Windows Phone, as well as Flash-based and Javascript-based platforms. The sensor communicates with back-end server via https requests, and is capable of working in off-line mode when connection lost.
- Kept updated with customers for feedback, analysed big data by Hive, coordinated with back-end team for bug fix or customising.
- Researched into feasible solutions and innovations on latest devices or frameworks. Successively achieved the implementation based on AMP, Brightcove, Playstation, etc.
- Maintained the alive product for around 3 years, positive feedback both from development team and customers.

2013.9 – 2017.3 Technical support and leading of outsourced projects — Kantar Media, Saarlouis, DE

Technical support on 'Media Data Sensor' project, including pre-sale demonstration, after-sale support. Outsourced projects are with India Infosys on iOS 'Panel App' and with French team on 'Windows Phone Measurement Sensors'.

- demonstrated sensor product to potential customers, and supported during trial period. Involved in the contracting with CSM Media Research(China) and Wilmaa(Switzerland), coordinated with development team on customers' requirements.
- Supported local teams on technical issues and further tests. Successfully assisted BBC(England) and OEWA(Austria) in product integration, also worked efficiently together with TNS Gallup(Denmark, Norway) on their optimisation.
- led outsourced project 'Panel App' with Indian InfoSystem in development, maintenance, and final test. The 'Panel App', which was designed for user registration purpose, went alive on time.
- Coordinated with French team on Windows Phone project, monitored the development process, functional test, code review and also assisted in the development. The project was terminated due to the budget conflict.

- 2012.6 – 2013.1 *In-book AR navigation strategies* — DFKI Innovative Retail Laboratory, Saarbrücken, DE
 The master thesis project. Took the advantage of AR SDK, implemented several in-book navigation strategies and processed with user experiment, which validated the benefit of AR in in-book navigation.
- Based on the Vuforia(AR SDK) framework, several in-book navigation strategies were developed, including AR arrows, AR perspective visualisation. Compared with traditional dot and arrow navigation, the vivid visualisation is helpful in locating in-book targets. The thesis was graded as Good.
- 2012.2 – 2013.1 *Remote control of 3D projector* — DFKI Innovative Retail Laboratory, Saarbrücken, DE
 Intern project, implemented an Android remote controller for the 3D projector.
- Implemented an Android-based controller, also involved in the back-end bug fixing. The main function modules included hand painting, image/video playing, gesture controlling, etc. A beta version was successfully delivered.
- 2010.9 – 2011.4 *Java in-memory database* — Saarland University, Saarbrücken, DE
 This was the master lecture project. An in-memory Java database with adaptive indexes was implemented.
- Second fast implementation out of 18 teams.

EDUCATION

- 2010 – 2013 *MSc in Computer Science (Level: Good, 2.2)*, Saarland University Saarbrücken, DE
 Research Focus: Database System, Mobile Application Development, Human-Machine Interface, Cryptography, Information Retrieval
- 2005 – 2009 *B.S. in Computer Science (Level: Good, 86/100)*, Beijing University of Technology, Beijing.
 National College Entrance Examination: Top 2% in China, 2005
 National Scholarship (Mathematics)

SKILLS & EXPERTISE

Program language: Python, Java, Javascript, Actionscript, Objective C, C#
 IDE: Pycharm, Eclipse, Android Studio, Visual studio code, Xcode
 System: MacOS, Windows, Ubuntu, Raspbian, IOS, Android
 Tools: Github, SVN, MongoDB, Appium, Docker, Jenkins
 Key Skills:



Language

English	Fluent in Speaking, reading and writing	C2 Level
Deutsch	Medium	B2 Level
Chinese	Mother Tongue	