

# Ahmed Al-Zubidy

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## EDUCATION

### Doctor of Philosophy, Computer Science, The University of Alabama

8/2017

- Focus: Software Engineering, Empirical Software Engineering, User Experience Research. GPA 3.7

### Bachelor of Science, Software Engineering, Al-Ahliyya Amman University

2/2013

- Focus: Software Development, Testing, Databases. Graduated with first class honors and GPA of 3.7

## PROFESSIONAL EXPERIENCE

### Lead Software Engineer (8/2019 - Present), Itential

8/2017 – Present

### Software Engineer (8/2017 - 8/2019)

- Designed and developed automation solutions using MEAN stack for service providers to manage their networks.
- Led development team to deliver network projects for internet service providers.
- Collected requirements and issues from customers and assisted in UAT sessions to validate requirements.
- Developed internal tools to assist developers in building and testing applications.
- Deployed and configured high availability environment for various projects to enable replication and risk mitigation.
- Tested product's ReST APIs and built technical documentations for system developers.
- Assisted in the hiring process and helped with new hires at the company.

### Software Engineering Researcher (GRA), The University of Alabama

1/2014 – 8/2017

- Designed requirements documents throughout workshops, surveys, and interviews for multiple projects.
- Implemented software backend, front end, and algorithms to automate systematic literature reviews.
- Tested and evaluated tools and APIs that assist software engineers in systematic literature reviews.
- Planned and led systematic mapping project to evaluate and categorize model transformations.

### Software Engineer (GTA), Critical Languages Center

8/2013 - 1/2014

- Developed software that automated tracking students' performance and attendance.
- Designed and deployed the department official website to publish updates, news and announcements.
- Maintained IT infrastructure and managed the migration to Google services that enhanced and increased the number of online classes.

### GSA Intern, Google

9/2012 - 6/2013

- Promoted and taught Google services and Google developers APIs, increasing Google products usage.
- Built partnerships between Google and Al-Ahliyya Amman University that provided technical and non-technical competitions and scholarship opportunities for students and staff.

## SKILLS & SOFTWARE

- Javascript (NodeJS, Angular), Python, Java, .NET
- MongoDB, MySQL, SQLite, MSSQL, Oracle
- MEAN, Git, CI/CD, Ansible, Mocha, Chai, Docker, ReST, SOAP, NVivo, AWS, Agile SDLC

## PROJECTS

- IJAm – Wireless de-authentication attack tool.
- SSRT – Automating storage and management of research citations.
- CTS – Web application to assist a charity organization in tracking tickets and donations.
- RWS (Server) – Web server to host light weight ReSTful java applications.
- RWS (Converter) – Converting ARIS flow charts to executable java applications.

## PUBLICATIONS

- “Identification of Requirements for Tool Support for SLR Search: A Survey Study” - EMSE – 2018.
- “Introducing IJAm Wireless De-authentication Attack Tool” – ACM SE, 2017
- “Vision for SLR Tooling Infrastructure: Prioritizing Value-Added Features” - IST, 2017.
- “A (Updated) Review of Empiricism at the SIGCSE Technical Symposium.” – SIGCSE ACM, 2016.
- “Identification of SLR tool needs–results of a community workshop.” - IST, 2016.
- “Review of Systematic Literature Review Tools.” - University of Alabama, 2014.
- “Proposed Design and Implementation for RESTful Web Server.” - Journal of Software, 2014.