

# Ahmed Al-Zubidy

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## EDUCATION

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- 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

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- 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

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- 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

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- 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

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- “*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.