Asia .R Hall

FULL STACK DEVELOPER · CI/CD EXPERT

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Summary

Eager and accomplished Java developer seeking a position continuously increase tech stack, develop strong, high-performance applications supported by a thorough test base, and bring a charismatic, hard-working, and good-humored attitude to future teams and employers.

Tech Stack

BACKEND	FRONTEND	DEVOPS
Java 8, Spring Framework	Angular 7, NodeJS, PrimeNG	Groovy, Python
JUnit 4, Mockito, RestAssured	Jasmine, Karma, Selenium	Cloud Foundry, JMeter
SQL, MongoDB, GraphDB, Liquidbase.	Typescript, SCSS, HTML	Swagger Docs, IntelliJ Idea, git
Apache Kafka, SonarQube	InVision, Materail UI	Splunk, Dyanatrace
NGINX, Apache, Slack	npm, Chrome Developer Tools	Jira, Gradle, Checkmarx

Experience

Ford Motor Company   *Taylor, MI*

FULL-STACK SOFTWARE ENGINEER   *Feb 2018 - Present*

BACK END NOTES

- Built microservices for storing software, managing applications and application-software relationships and dependencies, performing updates to applications and software, and releasing applications and software for use in vehicles.
- Created service to produce valid test files of user-specified sizes with parsable headers.
- Developed methods to parse file headers and stream the files accordingly to different endpoints.
- Set up flagging system to determine required attributes of files for front-end editing and release.
- Implemented process for updating files based on versioning using a software differential generator to reduce software update times.

FRONT END NOTES

- Built UI for managing storage, packaging, dependencies, and delivery of software and software updates.
- Improved consistency across UI by componentizing features used in multiple locations to be utilized globally, implementing modes to allow for location-based behavior and display differences.
- Improved performance/page and element loading by implementing selectable tables using lazy loading to replace performance-heavy drop-downs.
- Designed and implemented selectable tiles with selected, active, and disabled modes.
- Created directives to allow for in-line editing.
- Reduced network call lag using results paging.
- Carved prize-winning Death Star pumpkin for department-wide Halloween carving contest while wearing inflatable T-rex costume.

DevOps NOTES

- Programmed automated deployment pipeline to perform blue-green deploys, with gateways for engineer-triggered green deploys to the dev, qa, and performance environments and product manager-triggered green deploys to the prod environment, with automatically triggered blue-green swaps and re-routing.
- Built Splunk dashboard for application monitoring, such as network call monitoring, user-specific activity, file analytics, and error tracking, using regex to parse desired tracking fields from logs.
- Automated deploys of applications/services to Pivotal Cloud Foundry through Jenkins, including stages such as builds, unit testing, integration/contract testing, and gateways to trigger those builds.
- Built pipeline for setting up environments and user access in Pivotal Cloud Foundry.

Ministry Brands - ParishSOFT   *Ann Arbor, MI*

AUTOMANTION ENGINEER   *June. 2016 - Dec. 2017*

- Designed and Developed automated regression test suites using Java and Python-based Selenium for microservice deployments.
- Wrote JUnit tests to maintain 90 - 95 percent code coverage.
- Presented optimization reports in DevOps meetings to target performance weaknesses and improve user experience through suggested enhancements .

Easter Michigan University *Ypsilanti, MI*
IT Technican *Feb. 2012 - April. 2014*

- Provided support and assistance for classroom computers and equipment.
- Performed malware removal and hardware support for university-issued computers.
- Performed software maintenance and reimagining of lab computers and rented/faculty laptops.

Extracurricular Activity

B10S (B1t 0n the Security, Underground hacker team) *S.Korea*
Core Member *Nov. 2011 - PRESENT*

- Gained expertise in penetration testing areas, especially targeted on web application and software.
- Participated on a lot of hacking competition and won a good award.
- Held several hacking competitions non-profit, just for fun.

WiseGuys (Hacking & Security research group) *S.Korea*
Member *Jun. 2012 - PRESENT*

- Gained expertise in hardware hacking areas from penetration testing on several devices including wireless router, smartphone, CCTV and set-top box.
- Trained wannabe hacker about hacking technique from basic to advanced and ethics for white hackers by hosting annual Hacking Camp.

PoApper (Developers' Network of POSTECH) *Pohang, S.Korea*
Core Member & President at 2013 *Jun. 2010 - PRESENT*

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

PLUS (Laboratory for UNIX Security in POSTECH) *Pohang, S.Korea*
Member *Sep. 2010 - Oct. 2011*

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.

MSSA (Management Strategy Club of POSTECH) *Pohang, S.Korea*
Member *Sep. 2013 - PRESENT*

- Gained knowledge about several business field like Management, Strategy, Financial and marketing from group study.
- Gained expertise in business strategy areas and inisght for various industry from weekly industry analysis session.

Writing

A Guide for Developers in Start-up *Facebook Page*
Founder & Writer *Jan. 2015 - PRESENT*

- Drafted daily news for developers in Korea about IT technologies, issues about start-up.

AhnLab *S.Korea*
Undergraduate Student Reporter *Oct. 2012 - Jul. 2013*

- Drafted reports about IT trends and Security issues on AhnLab Company magazine.

Program Committees

2013	**Organizer & Co-director**, 1st POSTECH Hackathon	*S.Korea*
2012	**Staff**, 7th Hacking Camp	*S.Korea*
2012	**Problem Writer**, 1st Hoseo University Teenager Hacking Competition	*S.Korea*
2012	**Staff & Problem Writer**, JFF(Just for Fun) Hacking Competition	*S.Korea*

Education

Eastern Michgan University *Ypsilanti, MI*
Bachelor of Science in Molecular Biology *Mar. 2010 - PRESENT*