

Tipparat Umrod

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EDUCATION

The University of Texas at Austin, Austin, TX

May 2016

Bachelor of Science in Computer Science

Bachelor of Science in Biology, concentration in computational biology

SKILLS HIGHLIGHTS

- **Languages:** Java, Python, C++, PowerShell
- **Web Development:** ReactJS, JavaScript, jQuery, CSS, HTML5, JSP, XSLT
- **Database:** Oracle SQL, MS SQL Server, postgresql
- **Frameworks:** Spring, Flask, SPFx
- **Technologies:** Git, TFS, Maven, Jenkins, RabbitMQ, SonarQube, PCF, AWS, Splunk, APIGEE, STS
- **Certificate:** Scaled Agile Framework for enterprise (SAFe)

EXPERIENCES

System Design and Development Engineer

AIG, Houston, TX

August 2018 - PRESENT

- ❖ Implemented bill generation microservices that handle over million policies flowing into the system
- ❖ Researched, designed and implemented various microservices to meet business requirements using Spring framework
- ❖ Collaboratively working with team members to plan, design and develop robust solutions

Technology Analyst

AIG, Houston, TX

July 2016 - August 2018

Rotation 1: Business System Analyst

- ❖ Translated business requirements into technical requirements from business users to developer

Rotation 2: J2EE Web Application Developer

- ❖ Designed and developed web applications using J2EE, JSP, Servlet, Spring, JavaScript, jQuery, HTML5, and CSS along with Apache Tomcat as web server
- ❖ Modernized application delivery process by fully integrating with CI/CD pipeline using Git, Maven, Jenkins and SonarQube

Rotation 3: Web Application Developer

- ❖ Designed and implemented SharePoint webparts/extensions using SPFx, ReactJS, Native JavaScript, CSS, and HTML
- ❖ Automated various business process using PowerShell

Undergraduate Research Associate

Texas Advanced Computing Center, Austin, TX

May 2014 - May 2016

- ❖ Managed and maintained lung images and metadata along with the images for the [lungMap](#) project (Center for Lung Development Imaging and Omics) - NIH funded
- ❖ Implemented [Celldetekt](#) for detecting cell expression from image input
- ❖ Co-author on: *Spatial distribution of marker gene activity in the mouse lung during alveolarization* ([Data in Brief](#) Journal)