



700

Big Data & Analytics &
AI/ML Developers

400

Cloud, DevOps Engineers

700

Java Developers

600

Microsoft Technologies
Developers

800

Web – Mobile Developers
(NodeJS, AngularJS, ReactJS,
PHP, Ruby, Golang, Python)

400

C/C++, Embedded,
IoT Developers



Big Data & Data Analytics

Data Warehousing	• SSIS, SSRS, AWS Glue, AWS SQS, AWS DMS, AWS Kinesis Stream, AWS Kinesis Firehose, AWS EMR • Hbase, HDFS • MongoDB, CouchDB, Cassandra, Teradeta, AWS RedShift, AWS Aurora, AWS Athena, AWS Dynamo Database	
BI and Data Visualization	• Tableau, Splunk, Pentaho, QuickSight, PowerBI, PowerApp, Cognos, Jasper, Qlikview, Pentaho BI, Power View, Datazen	
Programming	• Python, R, Java, Hive, Scala, SAS, SPSS	
Frameworks	• Hadoop, Spark • Kafka, Storm, Sqoop, Flume • Mahout, Drill, Solr	• Druid, SnappyData, Cassandra • Map Reduce, Pentaho
Predictive analytics	• Regression • Classification	• Clustering • Time Series



AI & Machine Learning

Machine Learning • Descriptive Statistics • Deep learning: TensorFlow, Keras, Yolo • Model Optimization: TensorRT, OpenVINO	Reinforcement Learning • Markov decision process • Q-Learning and Deep Q-Networks	Supervised Learning • Linear Regression • Neural Networks • Support Vector Machines	Unsupervised Learning • K-Means Clustering • Anomaly Detection • Principal component analysis (PCA) • Latent Dirichlet allocation (LDA)
MLaaS • SAS • Google Cloud AI • Microsoft Azure AI • AWS AI	Computer Vision • Image/video analytics	Object Detection • Products, People, Vehicles	Others • NLP/OCR • Category Theory





RPA



AI/ML



OCR



NLP



5G



O-RAN
(Open RAN)



5G Core



Microservices,
REST API,
Database



Automation
Robot Framework,
Python



DevOps
GitHub,
Jenkins, qTest



5G Private
Network



Programming
C/C++, Java,
Python, Go



Cloud
NFV, Docker,
Container, Kubernetes



CI/
CD Development/
Implementation



Protocols
HTTP/2, TLS, TCP, UDP,
SCTP, IP, GTP, NG-AP,
NAS, PFCP, RRC, PDCP,
SDAP, RLC, FIAP,
E1AP, E2AP, XnAP



Internet of Things (IoT)



Programming

- Edge computing
- Python
- C/C++
- Java



Communication

- 2G/3G/4G/NB-IoT/5G
- CoAP
- Bluetooth/BLE
- LWM2M
- Wifi
- AMQP
- LoRa/LoRaWAN
- Modbus
- CAN
- LIDAR
- SLAM
- MQTT



OS

- Android
- Windows IoT Core
- RTOS
- Linux
- Yocto
- Raspberry Pi OS



Programming

- Arduino
- Google Coral
- ESP
- Xilinx
- NVIDIA Jetson
- Sierrawireless FX30
- Google Coral
- STM/ARM/AVR/TI
- Raspberry Pi



IoT Platform

- AWS IoT
- SierraWireless
- Google Cloud IoT
- Legato/Octave
- Azure IoT Hub
- Thingsboard



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Cloud

Amazon Cloud
(AWS)

Google Cloud

MS Azure,
SQL Azure,
Azure Mobile,
Signal R,
Azure Service Bus

IBM Watson

Kubernetes,
Docker,
Edge Computing



DevOps

CI/CD



LOG MANAGEMENT



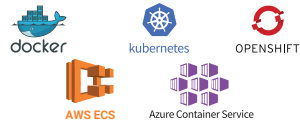
CLOUD INFRASTRUCTURE



MONITORING



CONTAINER MANAGEMENT



INFRASTRUCTURE AS CODE



NETWORKING



OS



PROGRAMMING



Java

J2EE

EJB, Servlets, JSP, JNDI, RMI/IIOP, JTA/JTS, JMS, JavaMail, JSF, JMS, JCA connectors, JDBC, Hibernate, JPA, Spring, Guice, Struts, Liferay portal

Web/Desktop

CSS, JavaScript, AJAX, J2SE, Swing, GWT, GWT-Platform, Sencha GXT, Eclipse RCP, Macromedia Flex

Business Process & Workflow

BPMN2, JBoss jBPM5

Application Server

Apache Tomcat, JBoss AS, GlassFish

Web Services & SOA

WSDL, SOAP, REST, XSD, WS-I, UDDI, JAX-RPC, AXIS, XML RPC, WS-Security

Tools

- Eclipse, Maven, Jenkins, SonarQube, SoapUI, PowerBuilder
- Atlassian: JIRA, Confluence, Fisheye, Crucible, Bambo
- SVN, Git, VersionOne





Microsoft Technologies

Technologies	C#, ASP.NET, ASP.NET MVC, TypeScript, Razor, .NET Core, VB.NET, EF, ADO.NET, VBA, WCF, WPF, WF, MS IoT, Machine Learning
Server & Middleware	SharePoint, SharePoint Online, MS Dynamics AX, MS Dynamics CRM, NAV, MS Dynamics 365, Project Server, TFS, Test ManagerApplication Insights, TeamCity, Octopus
Cloud	Azure IoT Hub, SQL Azure, Azure Mobile, Signal R, Notification Hub, Azure Service Bus, Azure Monitor
Analytics & BI	SSIS, SSAS, SSRS, BI Tools, SQL Server Data Tools



Web Development

CSS3, AngularJS, Bootstrap & NodeJS	ReactJS, React Native, Redux
LESS, SASS, EnyoJS, Moonstone, NoSQL	Backbone JS, Underscore JS, Require JS, jQuery
Durandal JS, KnockoutJS, Ext JS	EmberJS, NextJS
CodeIgniter, Symfony, Laravel, Ez, Zoop/Pear	wxPython, Django, rabbitMQ, Celery, Mochikit, CherryPy, Kid, SQLAlchemy
Drupal, WordPress, Joomla, Typo3, Orchard	Magento, osCommerce, Rails e-Commerce
Rails, ActiveMerchant, Devise, Resque, Canvas, Social Stream, Redis, Etherpad, Sphinx, Sunspot, Solr	





Mobile Application Development



Soft Phone, Call Control



VoIP, MjSIP, PjSIP, SIP, RTP, SDP



Bluetooth, Beacon



Mobile DRM



e-Pub3, pdf, mp3, mp4



3D, OpenGL, WebGL



Smart TV



Linux kernel



AR, camera



Flutter, React Native



HTML5, JQuery, Sencha Touch



Google Map, Bing Map,
OpenStreet Map, Offline Map



Low Code

Platforms		
OutSystems	Salesforce	Microsoft Power
• Live Style Guide • OutSystems UI • Service Studio • Integration Studio • Architecture Dashboard • Service Center, Lifetime Workflow Builder, Integration Builder, DB Connectors, CMF, BPT • Forge	• Visualforce and Apex • Lightning • Salesforce Object Query Language • Salesforce CPQ platform • Sales Cloud • Service Cloud • Community Cloud	• Power BI • Power Automate • Virtual Agent



Hardware Integration

Chipset	Hardware Design	Microcontroller Unit	Domain
• ESP, Raspberry, NXP, STM, PIC	• Capture schematics and drawing layout using Altium, Kicad, OrCA	• ESP32, NXP32, STM32, PIC32	• IoT (BLE, LoRaWAN, WiFi-6, Wi-Fi HaLow) • Power electronics: Buck, boost, Flyback topology...





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