

UDISH KUMAR

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EDUCATION

University of Southern California

Master of Science(M.S.), Computer Science

January 2023-December 2024

GPA: 3.5/4.0

Punjab Technical University

Bachelor of Technology(B.Tech.), Computer Science & Engineering

August 2012-July 2016

GPA: 3.6/4.0

PROFESSIONAL EXPERIENCE

Lead Software Engineer, Internal IT

November 2021-December 2022

NTT DATA Services, India

- Led system development of Operational Data Store(ODS) using Oracle, AWS, Python. internal applications' performance improvement by 50%
- Migrated MuleSoft based careers page RESTful API to Python based FastAPI improved webpage performance by 75%
- Redesigned organizational-wide internal mailing utilities leveraging AWS, Fast API and Flask, to solve ongoing issues

Senior Associate, Technology Consulting

April 2021-October 2021

PricewaterhouseCoopers LLP, India

- Developed critical technical frameworks and services in Java, encompassing logging, caching, configuration management, and PDF file generation via I-Text library.
- Orchestrated API security enhancements through symmetric cryptography for payload encryption and facilitated test automation and code coverage analysis with JUnit Test Executor and Node.JS.
- Integrated OAuth 2.0 at Integration Server (ESB layer), covering multiple grant types; authored a detailed methodology article for Software AG Tech Community.

Associate Software Consultant, Professional Services

December 2018-March 2021

Software AG Bangalore Technologies Pvt. Ltd., India

- Developed and supported applications across Android, iOS, and website. Application architecture backed by RESTful Java APIs, for a major insurance client in Hong Kong
- Engaged directly with client in Hong Kong to address and resolve challenges, enhancing project success and client satisfaction.
- Addressed & remedied critical bugs, applied production environment hotfixes for issue resolution and maintained Business As Usual(BAU) with 24/7 on-call support.

Programmer Analyst, Enterprise Application Services(IPM)

October 2016-November 2018

Cognizant Technology Solutions, India

- Developed interfaces & REST APIs using Java and asynchronous information exchange via pub-sub model.
- Led unit and sanity testing with JUnit test framework and SOAP-UI, ensuring robust security with X-509 authentication.
- Drafted essential project documentation, ensuring seamless data integration between SAP, JDA, and end systems

SKILLS SUMMARY

- **Programming Languages:** Python, Java, JavaScript, Typescript , Kotlin | **Data Exchange:** JSON, XML
- **Front-end Stack:** HTML, CSS, Angular17, AJAX, Kotlin, Node.js, Flask, React.js, Django
- **Data Science and Machine Learning Tools:** Matplotlib, Scikit-learn, Pandas, NumPy, FastAPI, PyCharm
- **Database and APIs:** RESTful APIs, Oracle SQL, MySQL, PL/SQL, PostgreSQL, MongoDB Atlas, Postman, SOAP-UI
- **Project Management & Issue Tracking:** Confluence, Agile Framework, Jira | **Version Control:** GitHub, Bitbucket
- **Networking:** FileZilla, WinSCP | **Monitoring Tool:** Dynatrace App Mon | **Performance Testing:** Apache JMeter
- **CI/CD Tools:** Jenkins, Mirantis | **Testing:** Zephyr Tests | **Development Tools:** VS Code, IntelliJ, Android Studio, PyCharm
- **Cloud Native Technology:** Kubernetes, AWS, GCP, Docker | **ETL Tools:** WebMethods, Boomi, Workato, Salesforce
- **Logging:** Apache Log4j, Slf4j, Winston Logger | **Framework:** Elasticsearch Logstash Kibana (ELK)

ACADEMIC PROJECTS

- **FindMyProduct!:** An android App developed using **Kotlin, MongoDB, Node.js** based **RESTful APIs** for dynamic searches.
- **Smart Shopper:** Responsive e-commerce website devised using **Angular(Typescript), Bootstrap, Node.js., MongoDB, GCP.**
- **Quick Cart:** An e-commerce portal website utilizing **HTML5, CSS, JavaScript, Python, Flask, AJAX, MongoDB, GCP.**