

Udish Kumar

LinkedIn: <https://www.linkedin.com/in/iudishkumar> | udishkum@usc.edu | +1(213) 272-3355 | <https://udishkumar.github.io>

EDUCATION

- **Master of Science in Computer Science** | University of Southern California
Coursework: Analysis of Algorithms, Web Technologies, Requirement Engineering
Expected Dec 2024
GPA: 3.5/4.0
- **Bachelor of Technology in Computer Science & Engineering** | Punjab Technical University
Coursework: Data Structures & Algorithms, RDBMS, Operating Systems
Aug 2012 – July 2016
GPA: 3.6/4.0

TECHNICAL SKILLS

- **Programming Languages:** C++, Java, Python, Kotlin, HTML, CSS, Vanilla JavaScript, TypeScript, AJAX, XML, PL/SQL, Unix
- **Frameworks & Libraries:** Matplotlib, Scikit-learn, REST API, Pandas, NumPy, ReactJS, NodeJS, Flask, FastAPI, Angular17
- **Database:** Oracle XE/11G/12C, Mongo Atlas, MySQL
- **Tools:** Heroku, Jenkins, CI/CD, Git, AWS Code Commit, Bitbucket, Salesforce, PyCharm, Visual Studio Code, Android Studio, Hedgehog, JIRA, Confluence, ServiceNow, Trello, SwiftKanban, FileZilla, WinSCP, SOAP-UI, JUnit, Apache JMeter, Dynatrace, Postman, Slack, Splunk, WordPress, Pretty Html, Winston Logger, Facebook SDK, GCP, Mirantis Kubernetes Engine

WORK EXPERIENCE

- **Lead Software Engineer** | *NTT Data* **Nov 2021-Dec 2022**
 - **Designed technical architecture** for **Operational Data Store(ODS)** of the organization, **improved flow** and **optimized usage** of internal applications' data in various departments respectively **by 50%**, **leveraging Oracle, AWS, Python**.
 - **Headed** and **delegated** priority-based technical tasks to a **team of 5 senior and 9 junior developers** involved.
 - **Migrated iPaaS based (MuleSoft) code** for company website's careers page webservice to **Python based Fast API**, **improving webpage performance by 70%**.
 - **Redesigned, developed the architecture** for organizational-wide utilities **leveraging AWS, Fast API and Flask**.
 - **Awarded with Kokua award** for **punctuality, efficiency and accountability**.
- **Senior Software Engineer** | *PricewaterhouseCoopers LLP (PwC India)* **Apr 2021-Oct 2021**
 - **Developed, documented** Java based technical frameworks and utilities, increased team productivity **by 80%**.
 - **Technically led** a **team of 8 members** involved in a project for a **government of India bank** client.
 - **Conducted recruitment interviews** and **evaluations** for technical positions in the firm of 100+ potential candidates.
 - **Published** article on **OAuth2.0 implementation** for the Software AG Tech Community, **viewed over 7.7K times** till date, **helping** developers understand the concept. Also being highly **utilized internally at Software AG** as a reference guide.
- **Software Engineer** | *Software AG India* **Dec 2018-Mar 2021**
 - **Facilitated** and **maintained over 150 critical Java and Python APIs** for one of insurance giants in Hong Kong.
 - **Felicitated** with a **Spot Award** for **punctuality** and a **Pat on back award** for **accountability**.
 - **Implemented a Splunk** dashboard for 150+ APIs, enhancing real-time performance tracking and **achieving a 98.67% SLA** adherence for REST and SOAP services.
 - **Travelled Hong Kong** to address client's **RESTful APIs and SOAP web service** design requirements and performance challenges, **revamped** technical issue resolution protocol and **met** service level agreements(SLA) for BAU team by **98.67%**.
 - **Optimized** the Quality Assurance and debugging process **by 80%** for customer's 200+ APIs distributed over 4 projects as different business units. **Conferred** with a **B5 value champ - Be an Innovator Award** for innovation.
- **Associate Software Engineer** | *Cognizant Technology Solutions* **Oct 2016-Nov 2018**
 - **Acknowledged** and **fixed** various defects and respective priorities within sharp deadlines provided during testing and warranty support phase of project.
 - **Created** documentation for Operational Acceptance Testing(OAT), User Acceptance Testing(UAT), release notes, and deployment guides for team members.

PROJECTS (<https://udishkumar.github.io>)

- **FindMyProduct! Android App** | *Kotlin, MongoDB, NodeJS, GCP*
 - Android Mobile App developed using Kotlin, eBay REST API for dynamic searches, RecyclerView-based UI, Persistent wishlist, social sharing capabilities via MongoDB and Facebook SDK integration.
- **eBay Angular Website** | *HTML, CSS, Angular, Typescript, MongoDB, Bootstrap, NodeJS, GCP*
 - Responsive Angular web application featuring real-time eBay API product searches. Implemented Bootstrap for responsive design solution, deployed on GCP. AJAX for interactive search experience, MongoDB for wishlist functionality.
- **eBay Flask Website** | *HTML, CSS, VanillaJS, JSON, Python, Flask, AJAX, GCP*
 - Flask-based web application utilizing Python and AJAX, live product searches via eBay's Finding Business API., deployed the interactive solution on GCP front-end design using HTML, CSS, and Vanilla JavaScript, with JSON for efficient data visualization, enhancing the user's search experience.