

SOURABH DEEPAK KULKARNI

Chico, CA

☎ +1 (530) 630-9697 ✉ sourabhkulkarni258@gmail.com 📧 [sourabhkulkarni25](https://www.linkedin.com/in/sourabhkulkarni25) 🌐 [sourabhkulkarni.com](https://www.sourabhkulkarni.com) 📄 [sourabhk25](https://www.sourabhk25.com)

Education

California State University, Chico

Expected May 2024

Master of Science in Computer Science: (GPA: 3.91/4.0)

Savitribai Phule Pune University

July 2015 – June 2019

Bachelor of Computer Engineering: (GPA: 3.85/4.0)

Experience

HSBC Technology India

Pune, India

Senior Software Engineer

March 2022 – July 2022

- Developed REST APIs for Hadoop to PostgreSQL and Hadoop to Oracle Migration which reduced execution time by 120%. Deployed application using on-premises VMs.
- Created Jenkins pipelines and Ansible job templates for automated deployments using Groovy scripts and produced daily reports of any vulnerabilities and errors using Checkmarx and Nexus IQ scans, reducing manual work by 40%.

Software Engineer

July 2019 – March 2022

- Implemented high-performance REST APIs for Relationship Managers of high-net-worth customers to provide customers asset details using Spring and Apache Camel. Leveraged connection pooling to enhance API performance by 50%.
- Automated code deployment, testing, and daily report creation using Jenkins and Ansible saved manual work by 30%.
- Spearheaded the utilization of Hadoop framework to perform robust data warehousing procedures, including ETL processes, using HQL, Python, and Shell scripts; achieved a 40% reduction in data loading time and improved overall system performance.
- Led a small team of 3 people to develop Spring Boot APIs on an in-house service hosting platform based on AWS, Docker, and Microservice architecture. Enabled Splunk and AppDynamics tools for application monitoring.

Projects

EchoVisuals | *Node.js, Express.js, MongoDB, React, TailwindCSS, OpenAI, Cloudinary* | [Link](#) July 2023 - August 2023

- Developed a sophisticated AI-driven image generation platform, leveraging the MERN stack with TailwindCSS. Employed OpenAI's DALL-E model to interpret user prompts and generate highly creative images.
- Orchestrated the implementation of Cloudinary to enhance image management, ensuring quick access and high availability across the platform; reduced image load times by 60% and increased user satisfaction.

SereneStyles | *React, Tailwind CSS, Java, Spring Boot, JWT, MySQL* | [Link](#)

October 2021 - November 2021

- Engineered a cutting-edge, full-stack E-commerce web application utilizing React, Spring Boot, JWT for fortified security, and MySQL for seamless data storage, leading to a 25% improvement in page load time.
- Constructed a user-friendly interface utilizing Tailwind CSS, encompassing user authentication, registration, and protected endpoints, enabling secure and efficient data management for enhanced user experience.

Mr. Voice Pay | *Alexa, Google Assistant, AWS, GCP, Python, Java, Android Studio* | [Link](#)

September 2019

- Architected an accessible online banking app for visually impaired users, featuring voice command integration via Alexa and Google Assistant with AWS and GCP, achieving a 30% increase in user satisfaction.
- Enhanced security by 50% through a novel framework including voice, biometric authentication, and Morse Code login, alongside an Android OTP generator app supporting secure transactions up to \$2000 with voice guidance.

Intelligent Cyber Security System | *Neural Networks, Python, Wireshark, Flask* | [Link](#)

August 2018 - March 2019

- Designed a real-time network attacks detection application by leveraging Wireshark to capture and convert network packets into KDD format CSV files.
- Trained application for known network attacks using ANN algorithm in Python and attained 90% accuracy.
- Employed National Vulnerability Database(NVD) to find vulnerabilities in installed software on the machine and to propose a solution.

Technical Skills

Languages: Java, C++, Python, C, SQL, HQL, Groovy, YAML

Tools/Frameworks: Spring, Spring Boot, GCP, AWS, Git, IntelliJ, Android Studio, Docker, JUnit, TensorFlow, PyTorch

Databases: MySQL, PostgreSQL, Oracle, Hive, MongoDB

Web Technologies: HTML, CSS, JavaScript, REST APIs, React, Node.js, Flask, PHP

Others: Jenkins, Ansible, Control-M, Checkmarx, Nexus IQ, AppDynamics, Splunk

Extracurricular

- Received 2nd prize in the annual competitive coding competition organized by ACM Club at CSU Chico 2022.
- Led a team of 10 juniors to organize an event 'Reverse Coding' - a mathematics-based coding event during the technical fest at PICT college hosted by the PICT IEEE Student Branch(PISB) in 2017.