Ashutosh Yadav

Software Engineer | Golang | Python | JavaScript | Solidity | ReactJS | AWS | Microservice | MERN | Blockchain

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Summary

- **Experienced Software Engineer skilled in Golang, Python, ReactJS, AWS, and Microservice Architecture with expertise in API integration and full-stack development. Proven ability to collaborate effectively in a team environment to deliver high-quality solutions. Seeking a challenging role to leverage and expand my skills.**:

Skills

- **Languages**: Golang, Python, JavaScript, Solidity
- **Front-end Tools**: ReactJS, HTML, CSS, Bootstrap, Material-UI
- **Libraries**: ReactJS, Pandas, Numpy, Web3.js, Web3.py
- **Database**: SQL, MongoDB
- **Cloud Services**: AWS, Firebase
- **Framework**: Django, Flask
- **Tools**: GIT, JIRA, Linux, Mac

Experience

- **Finnovation Tech Pvt. Ltd. (KreditBee)** Bangalore, KA
  Software Developer - Fund Team — Loan Disbursement Segment *Dec 2021 - Current*
  - **API Integration and Modifications**: Worked on integration and modifications of APIs for five fund partners using Golang, AWS, MySQL, and Microservice Architecture.
  - **Real-time Fund Status Tracker**: Developed and implemented a real-time fund status tracker utilizing AWS events, resulting in improved visibility and accountability for fund assignments and rejections.
  - **Repayment Integration**: Developed a repayment integration solution for various fund partners using SNS, crons, and APIs, reducing the manual effort of updating payment details by 70% and delivering timely updates to fund partners which reduced the manual efforts of internal and external team.
  - **AWS Services**: Utilized AWS lambda, SNS, SQS, EC2, S3, API gateways, Microservice Architecture, and Cloud-Watch services.

- **Apprenticeship**
  Trainee Software Engineer *Jun 2021 - Nov 2021*
  - **Laundry Service Application**: Built a laundry service application where users can create and cancel orders.
  - **Technologies Used**: Utilized JavaScript, ReactJS, NodeJS, ExpressJS, MongoDB, HTML, CSS, Bootstrap framework, jQuery, bcrypt, and JSON web token.
  - **Log In/Sign Up Functionality**: Implemented log-in/sign-up functionality using jwt and bcrypt for authentication and password hashing.
  - **MongoDB Atlas**: Utilized MongoDB Atlas as a server database.
  - **Data Retrieval and Posting**: Connected the front-end to the back-end using Axios to retrieve and post the data.
  - **GitHub Repository**: Code available at : https://github.com/AnushaPhyrdha/LanundryServices

- **Side Projects**
  NFT Deployer
  - **Description**: Designed and implemented an NFT Deployer tool for streamlined deployment of ERC721 contracts and minting of NFTs on the Ethereum blockchain. The tool supports multiple networks, including Ethereum Mainnet, Rinkeby, Goerli, Kovan, and Ropsten. Utilized Solidity smart contracts, OpenZeppelin libraries, and IPFS for storing token metadata. Enabled easy customization of NFT attributes and metadata using JSON structures. The project also incorporated environment variables for secure API key management.
  - **Technologies Used**: Solidity, OpenZeppelin, IPFS, Ethereum Mainnet, Rinkeby, Goerli, Kovan, Ropsten, Infura API
  - **Project Highlights**: Developed a user-friendly tool for deploying ERC721 contracts and minting NFTs, simplifying the process for creators and collectors.
    Implemented a robust smart contract structure inheriting from OpenZeppelin's ERC721 and Ownable contracts.
    Designed a dynamic metadata generation system that enables customization of NFT attributes and metadata for each token.
    Utilized IPFS to efficiently store and retrieve token metadata, enhancing scalability and accessibility.
    Supported multiple Ethereum networks by integrating Infura API for seamless deployment.
    Ensured secure API key management through environment variables for enhanced data protection.
  - **GitHub Repository**: Code available at : https://github.com/Ashutosh-730/nft-deployer

Academic Projects

- **Affordable Electricity Generation Using Advanced Piezoelectric Materials (Major Project)**: Led a team in designing and developing a prototype for affordable electricity generation using advanced piezoelectric materials. Conducted extensive research on piezoelectric materials and their applications in energy generation. Designed and fabricated a piezoelectric generator and tested its efficiency in generating electricity.
- **Number Guessing Game using Python (Individual Project)**: Designed and developed a number guessing game using Python. Implemented various features such as difficulty levels and score tracking. Utilized object-oriented programming concepts to create an interactive user interface.
- **Gimbal for Drones for Camera Stabilization (Internship Project)**: Collaborated with a team to design and develop a gimbal for drones to stabilize the camera during flight. Conducted research on drone mechanics and camera stabilization techniques. Designed and fabricated a 3-axis gimbal and tested its performance in stabilizing the camera.

Education

- **Gujarat Technological University** — Valsad, GJ
  Bachelors of Mechanical Engineering — *Aug 2015 - Jul 2019*
  - **Courses**: Advance Mathematics, Control Engineering, Dynamics of Vehicles and Automotive, Machine Code and Automation in production engineering
- **Gujarat Board** — Surat, GJ
  Science Field (PCM) — *Jul 2013 - Apr 2015*
  - **Courses**: Physics, Chemistry, Maths

Honors and Awards

- Integrated more than 47 third-party fund partner APIs into KreditBee successfully, resulting in better services for the customers.
- Represented university in national-level chess tournaments, won two gold medals in inter-college tournaments, demonstrating strong strategic thinking and analytical skills.
- Represented university in national-level football tournaments, won three gold medals in inter-college tournaments, displaying physical fitness, teamwork, and dedication.