Ashutosh Yadav

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

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Summary

- **Experienced Software Engineer with four years of proficiency in Golang, Python, JavaScript, AWS, and Microservice Architecture. Skilled in API integration and back-end development, with a proven track record of delivering high-quality solutions through collaborative teamwork. Seeking new challenges to leverage and expand my expertise.**:

Skills

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

Experience

- **athenahealth Technology Private Limited** Bangalore, KA
  Member of Technical Staff - API Gateway Team *Jan 2024 - Current*
  - **Work Responsibilities**: Actively involved in developing, configuring, and maintaining the API Gateway infrastructure. Specialize in writing and implementing custom plugins to enhance functionality within the Kong API Gateway.
  - **Monitoring and Logging**: Utilize Grafana for monitoring and Graylog for centralized logging to ensure optimal performance and quick troubleshooting of the API Gateway systems.
  - **Authorization Protocols**: Implement and manage authorization controls using Open Policy Agent (OPA) to secure access to services through the API Gateway.
  - **AWS Services**: Utilized AWS EC2, ECS, Route 53, lambda, SNS, SQS, and S3 services.

- **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

- **Sahajanand Medical Technologies Pvt. Ltd**
  Process Engineer *Aug 2019 - Jun 2021*
  - **CNC Coding**: Proficiently utilized G-code programming for CNC operations, ensuring precision and efficiency.
  - **Advanced Technologies**: Leveraged a versatile skill set encompassing Python, Pandas, Numpy, G-code, SolidWorks, and Nx-CAD for comprehensive project execution.
  - **Automation Leadership**: Led the automation initiative by expertly crafting G-code for CNC operations, resulting in heightened manufacturing productivity and improved precision.
  - **Data Analysis**: Conducted thorough data analysis using Python, Pandas, and Numpy, producing insightful reports that informed data-driven decision-making and contributed to process optimization.

- **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

Honors and Awards

- 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.