

Nabarun Pal

Software Engineer | Open Source Contributor | Containers and Orchestration

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 Bengaluru, Karnataka, India

Education

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|------|---|
| 2018 | 8.35/10, Bachelor of Technology Metallurgical and Materials Engineering with Minors in Computer Science and Engineering, Indian Institute of Technology, Roorkee |
| 2014 | 89.0/100, AISSE Central Board of Secondary Education, Lawrence and Mayo Public School, Kota |
| 2012 | 10/10, AISSE Central Board of Secondary Education, Sri Krishna Mission School, Agartala |

Work Experience

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| May 2018 | Platform Engineer, Rorodata Technologies, Bengaluru |
| Current | <ul style="list-style-type: none">➤ Building the next generation demand planning system encompassing all aspects of a FMCG planners daily work➤ Engineered the core compute component of Algoshelf an AI based enterprise planning system➤ Designed and implemented HyronML a PaaS on top of Kubernetes allowing anyone to easily deploy their applications to Kubernetes➤ Implemented microservices to coordinate running scheduled jobs and on demand jobs➤ Maintained the legacy code and microservices running our services and platform➤ Authored lambdapool - an open source framework for easily deploying algorithms to AWS Lambda➤ Presented Lambdapool at AWS Community Day Bangalore 2019 <div>Python Git Docker Kubernetes Golang AWS GCP</div> |

Internships

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|-------------|---|
| June 2018 | John Hunter Matplotlib Summer Fellow, NumFocus |
| August 2018 | <ul style="list-style-type: none">➤ Co-authored mpl-altair an interfacing library to render Altair chart using Matplotlib➤ mpl-altair aimed to provide an alternative paradigm of writing visualizations to Matplotlib users➤ Mapped declarative visualization concepts to Matplotlib's imperative style of describing visualizations➤ The project benefited the users by providing ability to render charts in various output formats <div>Python Matplotlib Altair Git</div> |
| May 2017 | Software Development Engineer, Rorodata Technologies, Hyderabad |
| July 2017 | <ul style="list-style-type: none">➤ Built an universal data science platform for enabling the data scientists to deploy and scale ML applications➤ Systemized cloud based automatic data extraction and storage from IoT devices reducing development time by 80%➤ Delivered microservices architecture for running, storing and logging scheduled jobs by users➤ Co-authored firefly - an open source function-as-a-service framework which is used in internal platform tools➤ Presented my internship projects at PyData Delhi 2017, PyCon India 2017 and FOSSASIA Summit 2018 <div>Python Git AWS Bootstrap Raspberry Pi</div> |
| May 2016 | Full Stack Engineer, Gurupriyam Innovations, Bengaluru |
| July 2016 | <ul style="list-style-type: none">➤ Innovated experiential products using Leap Motion Controller and various web APIs like Twitter Stream API➤ Built personalized software interface for a Smart Mirror module which provides relevant information to users➤ Designed a productivity enhancement device for offices to track employee sitting time and remind them of stroll breaks➤ Developed IoT based Water Saving Automatic Irrigation System controller using 555 timer and ESP8266 <div>Python Twitter API NodeJS ESP8266</div> |

Skills

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|----------------------------------|---|
| Programming Languages : | Python, Golang, C, JavaScript(ES5, ES6), HTML, CSS, SQL, LaTeX |
| Databases : | PostgreSQL, Google Cloud Datastore, Google Cloud BigQuery |
| Containerization/Orchestration : | Docker, containerd, Kubernetes |
| DevOps : | Gitlab CI, Google Cloud Build, Vault, Terraform, Ansible, Docker Compose |
| Web Services : | Amazon Web Services, Google Cloud Platform |
| Data Analytics/Visualization : | Pandas, Scikit-learn, Numpy, Matplotlib, lib-svm, Keras |
| Software Packages : | Git, Vim, Fabric, Supervisor, nginx, Sentry, Flask, Arduino IDE, GNU/Linux, Eagle |

Achievements

- › Recipient of Cloud Native Computing Foundation Scholarship to attend KubeCon+CloudNativeCon Barcelona 2019
- › Awarded John Hunter Matplotlib Summer Fellowship by NumFocus 2018
- › 1st Position out of 30 colleges in Robosapiens, Cognizance 2017
- › Best Aesthetic Robot in ABU Robocon 2016 India Leg
- › 2nd Position out of 45 colleges in Robosapiens, Cognizance 2015
- › Awarded the distinction of Dedicated Proficiency Holder for distinguished social service in NSS for the year 2014-2015
- › Recipient of Merit-cum-Means Scholarship for 4 consecutive years for outstanding academic achievement 2014-2018

Talks

- › **2019** | **AWS Community Day Bengaluru** | Making AWS Lambda simpler for data scientists
- › **2018** | **FOSSASIA Summit Singapore** | Building microservices with Firefly
- › **2017** | **PyCon India** | Building microservices with Firefly
- › **2017** | **PyData Delhi** | Building camera based intelligent applications