T

About the Authors

Bilgin Ibryam (@bibryam) is a product manager at Diagrid, where he drives the company's product strategy in bringing the Dapr project to the enterprise. Previously, he was a consultant and architect at Red Hat, where he mentored and led teams to be successful in building highly scalable and resilient solutions. Bilgin is an open source evangelist and member of the Apache Software Foundation, a regular blogger, speaker, and author of *Camel Design Patterns* (Leanpub). Bilgin's mission is to make creating distributed systems a no-brainer for all developers. Find out more about his work on Twitter: *https://twitter.com/bibryam*.

Dr. Roland Huß (@ro14nd@hachyderm.io) is a seasoned software engineer with over 25 years of experience in the field. Currently working at Red Hat, he is the architect of OpenShift Serverless and a former member of the Knative TOC. Roland is a passionate Java and Golang coder and a sought-after speaker at tech conferences. An advocate of open source, he is an active contributor and enjoys growing chili peppers in his free time.

Colophon

The animal on the cover of *Kubernetes Patterns* is a red-crested whistling duck (*Netta rufina*). The species name *rufina* means "red-haired" in Latin. Another common name for them is "red-crested pochard," with *pochard* meaning "diving duck." The red-crested whistling duck is native to the wetlands of Europe and central Asia. Its population has also spread throughout northern African and south Asian wetlands.

Red-crested whistling ducks reach 1.5–2 feet in height and weigh 2–3 pounds when fully grown. Their wingspan is nearly 3 feet. Females have varying shades of brown feathers with a light face and are less colorful than males. A male red-crested whistling duck has a red bill, rusty orange head, black tail and breast, and white sides.

The red-crested whistling duck's diet primarily consists of roots, seeds, and aquatic plants. They build nests in the vegetation beside marshes and lakes and lay eggs in the spring and summer. A normal brood is 8–12 ducklings. Red-crested whistling ducks are most vocal during mating. The call of the male sounds more like a wheeze than a whistle, and the female's is a shorter "vrah, vrah, vrah."

The conservation status of the red-crested whistling duck is Least Concern. Many of the animals on O'Reilly covers are endangered; all of them are important to the world.

The cover illustration is by Karen Montgomery, based on a black-and-white engraving from *British Birds*. The cover fonts are Gilroy Semibold and Guardian Sans. The text font is Adobe Minion Pro; the heading font is Adobe Myriad Condensed; and the code font is Dalton Maag's Ubuntu Mono.